Yukon
Energy, Mines and Resources

The Alaska Highway Pipeline Project: Economic Effects on the Yukon and Canada

Final Report

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Preface

This project involved the continuing efforts of the Informetrica team of Nancy Cebryk, Ilona Chmiel, Michelle Lasota, Tyler Minty, Anne Rensonnet, Charles Saunders, and Carl Sonnen. We also benefited from the contributions of Malcolm Taggart and Luigi Zanasi in Whitehorse. They authored several Working Papers and reviewed all of them, providing helpful suggestions.

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Finally, we talked to many people in Whitehorse, including representatives from Labour, First Nations, environmentalists, businessmen, and public servants. All contributed their insights, patiently and with humour. The shortcomings that remain must be Informetrica's responsibility.

M.C. McCracken
Ottawa
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Executive Summary

Informetrica Limited has undertaken at the request of the Department of Economic Development, Government of Yukon, a number of studies of the Alaska Highway Pipeline Project (AHPP), as proposed by Foothills Pipe Lines Ltd. These studies examine a number of different dimensions and issues raised by the Project. The output of the research is documented through a series of Working Papers, and summarized in this Final Report.

These studies provide a "benchmark" or framework for comparison to other proposals that may be forthcoming. A number of different tools have been developed that can be applied with different assumptions, allowing a ready comparison. This capacity should allow quick evaluation of new proposals. The other purpose of these studies is to identify potential bottlenecks or pressure points that could be alleviated or mitigated with some forward planning.

The AHPP proposes to construct a 42-inch pipeline from Prudhoe Bay, Alaska to Gordondale, Alberta, a distance of 1,746 miles or 2,810 kilometres. The cost is about $9.1 billion US (2000$) or $13.6 billion in Canadian dollars. More than half the costs are incurred in Canada.

Gas would begin flowing in 2007, at a daily rate of 2.5 billion cubic feet, with a build-up to 4 bcfd by the end of 2012. This is an annual volume of 1.4 tcf. It is assumed that this additional volume can be distributed through the existing network in Alberta and the lower 48. If expansion were needed, then the required investment would be in addition to this project.

Direct employment associated with the construction phase of the project is about 30,000 in Canada. A similar number is expected in Alaska, resulting in about 60,000 in direct employment. (No studies of the Alaska portion have been undertaken here.) Additional person-years of employment will be required for the delivery of materials to the sites, the manufacturing of the pipe and compressors, and the myriad of other indirect components. As well, the incomes earned by workers will be spent, resulting in additional person-years of employment in many other sectors and parts of the country. Over the first 11 years of the Project (construction phase and some early operations), estimates for the Canadian impacts vary from 73,000 person-years of employment to over 194,000, depending on whether governments redistribute their increased revenue through spending increases and tax cuts.

Although the expenditure and job numbers seem large, the project is spread over a number of years. A better approach is to consider the average number of jobs per year and the peak number in the year 2006. On this basis, employment in the Canadian economy is about 6,600 higher per year over the period from 2002-12, with a peak year of 28,500 in Scenario 1 with governments holding onto their improvements in revenue, and about 17,700 on average with a peak of 43,400 in 2006 when governments recycle their improved incomes through tax reductions or spending increases in Scenario 2. There is no evidence that the Canadian economy is strained by these increases.

Impacts on the provinces are also quite modest, with employment spread across several provinces. Only the Yukon is substantially impacted, with GDP increases of 20% to 40% in the peak year and, subsequently, with the substantial revenue increases from pipeline operations. In employment terms, increases of 7,000 to 8,000 in the peak year are substantially in excess of the labour pool currently residing in the Yukon. Transient workers are expected to exceed 4,000 at the peak, and an average of almost 1,000 over the construction period. This still leaves employment increases for residents of over 900 per year on average in the construction period, with governments not recycling improved revenues, and upwards of 1,700 per year if governments do recycle. At the peak of construction, increases of 3,000 to 4,000 would stretch available labour supply in the Yukon quite tightly. (If these cannot be supplied, then additional transient workers would fill the gap.)

The impacts of construction activity will be felt even more strongly at the local community level, with positive income effects from people working and transients spending some part of their income while in the Yukon. A framework has been provided for thinking through these local impacts, including the effects of bidding up of local wages and prices.

If the Yukon is to maximize the local employment from the project, it will be desirable to ensure adequate supplies of skilled labour. The major occupational groupings with increased employment include the construction trades, managerial and administrative, clerical, and services jobs. Unions and First Nations groups should be part of the planning for the training programs to ensure the broadest participation and targeting on the appropriate skill sets.

Another potential pressure point identified in the studies is the fiscal position of the Territorial government. Current arrangements leave little incremental revenue in the hands of the Yukon government as a result of economic development, even if they have spending requirements arising from training and other needs. If the project proceeds, it would make sense to revisit the fiscal arrangements between the federal and territorial governments.

The fundamentals of the project appear to be sound. The benefit-cost study supports the view that the project is viable at a US city gate price in Chicago greater than $3.00 US (2000$). There remain, however, differing views of future energy prices.

Although post-pipeline projects in the Yukon are discussed, no special provision has been included in the benefit-cost study for possible resource developments triggered by the pipeline ensuring the availability of natural gas in the Yukon. The pipeline will enhance the **choices** for Yukoners, but additional resource developments will have to pass their own benefit-cost evaluations.

The AHPP appears ready to go…if the US is ready to use Alaska gas as part of their energy supply. This Project is particularly interesting in that much of the gas field development has already occurred. Governments have studied the route, the regulatory framework, and other aspects. The lower end of the pipeline has been "pre-built" in the 1980s and 1990s, with capacity to deliver the gas into the US marketplace. The key questions to be answered: Are there better options available for US consumers? Are there better options for North Slope producers? These remain the tough questions that must be answered before construction can start.

Major Results for the Construction Phase (2002 to 2012)

	$ millions		Direct Employment	
Pipeline Investment	**Total**	**Annual Average**	**Total**	**Annual Average**
Alaska[1]	$6,627	$602	28,859	2,624
Canada	$6,990	$635	30,440	2,767
Yukon	$3,369	$306	12,114	1,101
British Columbia	$2,638	$240	9,965	906
Rest-of-Canada	$983	$89	8,360	760

	Scenario 1		Scenario 2	
	Total	**Annual Average**	**Total**	**Annual Average**
Real GDP Impact (2000$Mn)				
Canada	$9,762	$887	$14,497	$1,318
Yukon	$3,736	$340	$5,082	$462
British Columbia	$2,293	$209	$2,831	$257
Rest-of-Canada	$3,733	$339	$6,583	$598
Employment Impact				
Canada	72,799	6,618	194,396	17,672
Yukon	19,448	1,768	28,585	2,599
British Columbia	20,660	1,878	36,330	3,303
Rest-of-Canada	32,691	2,972	129,482	11,771
All Government Balance (C$Mn)	$8,489	$772	$3,195	$291
Current Account Balance (C$Mn)	$1,711	$156	-$2,559	-$233

Major Results for the Operations Phase (2013 to 2025)

	$ millions		Direct Employment	
Pipeline Revenue (Cost-of-Service)	**Total**	**Annual Average**	**Total**	**Annual Average**
Alaska[1]	$14,547	$1,119	4,047	311
Canada	$15,288	$1,176	4,253	327
Yukon	$8,252	$635	2,220	171
British Columbia	$6,602	$508	1,910	147
Rest-of-Canada	$434	$33	123	10

	Scenario 1		Scenario 2	
	Total	**Annual Average**	**Total**	**Annual Average**
Real GDP Impact (2000$Mn)				
Canada	$16,678	$1,283	$16,906	$1,300
Yukon	$7,775	$598	$8,911	$686
British Columbia	$4,810	$370	$5,570	$429
Rest-of-Canada	$4,093	$315	$2,425	$187
Employment Impact				
Canada	34,921	2,686	182,678	14,052
Yukon	13,029	1,002	21,998	1,692
British Columbia	10,104	777	31,574	2,429
Rest-of-Canada	11,788	907	129,105	9,931
All Government Balance (C$Mn)	$20,043	$1,542	$6,366	$490
Current Account Balance (C$Mn)	$22,427	$1,725	$7,713	$593

1) Alaska expenditures and revenues not included in impacts. Employment estimates proportional to expenditures and revenues.

The Alaska Highway Pipeline Project: Economic Effects on the Yukon and Canada

1 Introduction

The Department of Economic Development, Government of Yukon requested Informetrica Limited to undertake a series of economic studies of different aspects of the proposed Alaska Highway Pipeline Project (AHPP). This report summarizes that work, with pointers to a series of Working Papers. These papers document the methodology employed, the findings, and provide the details of each aspect. The intent is to document the procedures so that others can understand what was done, and apply other assumptions if desired. In some cases, Excel worksheets are provided to allow for recalculations as needed.

1.1 Historical Perspective

The Yukon has been the site for major undertakings in the past, from the Gold Rush, to the construction of the Alaska Highway and CANOL pipeline in World War II, the Faro Mine, and the Dempster Highway. These projects have shaped the economy of the Yukon, building infrastructure and providing significant employment.

In the late 1970s and early 1980s there were intense discussions about the construction of a natural gas pipeline from Prudhoe Bay, Alaska to Alberta and points south. At the end of the day, the US and Canadian governments picked a route along the Alaska Highway, referred to as the Foothills Project.

High interest rates in the early 1980s, falling energy prices in the mid-1980s, and the emergence of a so-called "Gas Bubble" led to postponement of the project. A portion of the southern end in Alberta and the US was constructed and carries substantial volumes of Canadian natural gas to US markets at present. (This is referred to as the "Pre-Build" pipeline.)

1.2 The Pipeline Project

Northern pipeline projects are now being actively considered again. Lower interest rates, US demand forecasts for increased natural gas use, rising energy prices, and a concern about energy security in the US have all come together to heighten interest in delivering natural gas to market from Prudhoe Bay.

The Alaska North Slope producers have undertaken a major study of the feasibility of different routes to bring the gas to market. The producer study is intended to provide the information needed for a go-no-go decision and to select the preferred route: Alaska Highway or "Over-the-top" with a pipeline under the Beaufort Sea and along the Mackenzie valley. The producer proposal uses some assumptions that are considerably different from the Foothills project, notably as to the size of pipeline required and the volume of gas transported. However, the required information from the producer study was not available in time for consideration in this analysis.

As well, a number of other alternatives have been proposed, mainly dealing with bringing Mackenzie Delta gas to southern markets. For this study, **the economic analysis is based on the Foothills Alaska Highway Pipeline Project**. Should a different project be selected, especially one involving a different size of pipe or a different route, a number of the studies presented here would have to be redone.

The Alaska Highway Pipeline Project is particularly attractive for a number of reasons, including:

1. Pipeline routing studies completed
2. Engineering studies completed in late 1970s and updated
3. Environmental assessments completed in 1970s
4. Legislation in place in both Canada and United States
5. Agreements in place in Alaska, Yukon, British Columbia, and Alberta
6. Pre-build portion and other pipeline expansions reduce costs from Alberta to US locations
7. Known reserves and flow rates in Prudhoe Bay, with production infrastructure in place
8. Short lead-time to start
9. Cost-effective route, with relatively low tariff

In the coming months, there will be continuing interest in the development of Northern pipelines, with new proposals, updated construction cost estimates, and other studies released. The common thrust will be the search for a feasible plan, with profitability for the private proponents and attractive qualities for the governments involved. These studies of the Alaska Highway Pipeline Project provide a framework for comparison, with most elements detailed sufficiently that others could use similar tools.

2 The Economic Questions

Any project evaluation starts with the basic set of questions:

1. Is there a demand for the product I have?
2. Can I deliver it to the marketplace at a competitive price and earn a return on invested capital comparable to other options?
3. Are there adverse side effects or additional benefits that should be considered?
4. Are there any bottlenecks that might affect the timing or costs of undertaking the project?
5. Does this project create a dynamic set of conditions that foster other economic development, either at the same time or afterwards?

Sets of tools have been developed over the years that help shed light on these key questions. Market studies, economic scenarios, and econometric forecasts of energy demand can be drawn on to determine the future demand for natural gas and its price.

Benefit-cost studies help to determine the balancing of revenues and costs with their associated time profiles. As well, each part of the project can be treated separately, and all parts checked for their net benefits. In a multi-jurisdictional project, either all parts need to be viable (positive net benefits) or transfer payments among parties will be needed to motivate each decision-maker to participate in the overall project. Externalities can be introduced into this framework as well.

The search for bottlenecks uses the tools of input-output analysis and economic impact studies, with application at the national, provincial, territorial, and local levels. On the one hand, employment impacts that require substantial increases in employment can be seen as challenges to local labour markets. On the other hand, these employment increases may overcome long-term deficiencies in employment in a region, allowing new economic development and stabilizing the population. Both aspects are important considerations for governments.

Possible follow-on projects can be described, but are probably best studied separately after decisions to proceed on the "trigger project" are a reality. If other activities are a necessary part of a project or, at least, a desirable component, then these "ancillary projects" should be considered more fully as part of the main project study. We have followed that practice here.

2.1 Does this project make economic sense?

2.1.1 *Project Description*

The first step is to bring together a full description of the project. What are the investment costs by year? What are the operating costs? When do deliveries begin? How long do they continue? What volumes are carried through the pipeline? Foothills Pipe Lines Ltd. provided us with their project definition in sufficient detail that we could undertake the various studies, making this task easier. They also assisted us by answering a number of questions as we proceeded.

The "project definition", however, remains Informetrica's responsibility; since we made assumptions about prices, interest rates, procurement patterns, some employment needs, etc. We also subjected the estimates by comparison to "rules of thumb" for pipeline construction and found the project within the normal ranges. The details are brought together in the Working Paper: **Direct Effects of the Alaska Highway Pipeline Project (5.1.1)** and several tables from that study are included in Appendix A of the Report.

The Alaska Highway Pipeline Project (AHPP) proposes to construct and operate a pipeline from Prudhoe Bay, Alaska to Gordondale, Alberta, traversing 1,750 miles or 2,817 kilometres. This is a shorter section than some other studies have analyzed and therefore the magnitude of impacts is lower than those studies. This project definition was used because it represents the Foothills Pipeline Proposal at this point in time. Existing pipelines are assumed to be adequate to move the gas through Alberta, British Columbia, and Saskatchewan to US markets. If expansion of the lines through Alberta and other provinces were required then this would add additional economic impact to the project.

2.1.1.1 Pipeline Size and Length

The pipeline diameter is specified to be a 42-inch outside diameter pipe, with a working pressure of 2,050 psi, and a steel grade of X80. This pipe can be made in Canada and there appears to be sufficient capacity to produce a large share of the order. Actual procurement plans will follow on the decision to proceed with construction.

2.1.1.2 Construction Costs

The total construction cost is estimated to be about $13.6 billion in Canadian dollars or $9.1 billion in US dollars, based on prices in the year 2000. Current dollar estimates are slightly higher at $9.7 billion US. (Interest during construction is incorporated in the benefit-cost study.)

The activity is split roughly in half between Alaska (49%) and Canada (51%), which implies lower construction costs per kilometre in Canada, reflecting less permafrost in Canada and more benign conditions. The $7 billion in Canada is split across the three jurisdictions as indicated below. The Alberta portion also contains some of the design and project management costs that are part of the construction costs.

Table 1 Pipeline Length by Segment

Segment	Miles	km	%
Alaska	**741**	**1,193**	**42%**
Canada	**1,005**	**1,617**	**58%**
Yukon	517	832	51%
British Columbia	448	721	45%
Alberta	40	64	4%
Total	**1,746**	**2,810**	

Table 2 Construction Costs, millions of dollars

Segment	Canadian $	US $	%
Alaska	**$6,627**	**$4,418**	**49%**
Canada	**$6,990**	**$4,660**	**51%**
Yukon	$3.369	$2.246	48%
British Columbia	$2.638	$1.758	38%
Alberta	$983	$655	14%
Total	**$13,616**	**$9,078**	

2.1.1.3 Operating Costs

Operating costs are modest, using a rough rule of thumb of about one percentage point of capital costs as a guide. Other major costs during the operations phase are the interest on the debt incurred during construction, capital consumption allowances, and the equity return to the pipeline. The method of determining the charges for transporting the gas (the tariff) include all of these factors as well as the construction costs and the volumes of gas moved.

2.1.1.4 Throughput Volumes

The pipeline is designed to carry 2.5 billion cubic feet (bcf) of gas each day initially (November 2007), with incremental increases to 4.0 bcfd after five years (November 2012). The increased throughput is a result of adding compressors to the system (from 12 to 40), allowing a higher average operating pressure on the line. On an annual basis, volumes of about 1.4 tcf (trillion cubic feet) are expected.

2.1.1.5 Tariffs

The pipeline revenue results from a tariff being charged for the volume of gas carried over a segment of the pipeline, usually stated as dollars per thousand cubic feet or mcf. Actual costs will vary over the life of the pipeline, with heavy costs at the beginning with low volumes and start-up costs, high interest costs, and lower outlays later in the pipeline's life. The normal approach is to calculate a "levelized" tariff that remains unchanged over the design life of the pipeline (25 years in the case of AHPP). In most cases, the tariff is levelized and fixed in nominal terms; however, we have chosen to calculate the tariff in 2000 dollars, and then to escalate it by inflation. The table below shows the constant dollar tariff by segment. In US$, the tariff is just $1.05 from Alaska to Alberta. The tariff from Chicago to Alberta is usually assumed to be about $1.00 US. This means that the Prudhoe Bay producers would receive $1.00 US if the Chicago price were $3.05 US.

Table 3 Tariffs by Segment ($ per mcf)

Segment	Canadian $	US $	%
Alaska	**$ 0.766**	**$ 0.511**	**49%**
Canada	**$ 0.805**	**$ 0.537**	**51%**
Yukon	$ 0.435	$ 0.290	54%
British Columbia	$ 0.348	$ 0.232	43%
Alberta	$ 0.023	$ 0.015	3%
Total	**$ 1.572**	**$ 1.048**	

Is this return sufficient to justify the pipeline proceeding? Only the producers can answer that question, recognizing that there is uncertainty about all of these components over the next thirty plus years.

2.1.1.6 Comparison to TAPS

How does the AHPP compare to the Tran-Alaska Pipeline, built in the 1970s to carry crude oil from Prudhoe Bay to Valdez, Alaska? We have put the construction costs in comparable dollars (2000 US$) and find that the TAPS line at US $11.3 billion exceeded the expected construction costs of AHPP of US $9.1 billion. The AHPP is a much longer pipeline, 1,750 miles versus 800 miles. Three times more steel is required: 1,381,000 tonnes versus 450,000 tonnes. Direct employment during construction is significantly less than that of TAPS – 59,000 person-years[1] versus 70,000 person-years.

The fundamental difference between the two lines is that the TAPS line needed to maintain the oil at a high temperature so it would flow, and the pipeline needed to be suspended above the ground for most of its length. The Alaska Highway Gas Pipeline can be buried underground, and operated at low temperatures to stabilize the soil when going through permafrost. Construction costs per mile are expected to be much lower than a heated crude oil pipeline.

2.1.2 *Ancillary Spending*

We also considered whether other entities would have to undertake additional investments as a result of the pipeline project or in support of its needs. Consideration was given to roads and highways, air transportation, rail transportation, ports, water and sewage treatment, schools, health services, and jails.

The bottom line is that there may be an additional $20 million in investments required, a small amount relative to the overall project. This does not include any investments for an Arctic Railroad proposal, since it is unlikely to proceed before the pipeline. For purposes of this study we have ignored these ancillary investments since they are well within the scope of existing government budgets. If the Yukon government decides to spend additional funds on post-secondary education and training then this will also be incremental. As well, any additional regulatory and planning expenses should be considered.

We are satisfied that there are no major hidden costs that might cause real construction costs to balloon. Our review focused mainly on the Yukon. Others may wish to examine the details for British Columbia and Alaska. The information in most of these areas is summarized in **Ancillary Spending (3.2.1)**.

2.1.3 *Energy Demand and Price Assumptions*

The scope of this project precluded a full-scale study of US natural gas markets for the next 35 years. Fortunately, there are high-quality studies in place that can be used to provide the context for the introduction of significant new gas supplies into the North American market. The Energy Information Agency (EIA) of the US Department of Energy (DOE) provides an annual energy outlook, with detailed forecasts for natural gas volumes and prices.

The main conclusions about the US energy future are as follows (EIA 2001).

- An increase in natural gas demand is expected, rising from 21.4 tcf in 1999 to 34.7 tcf by 2020, an increment of 13.3 tcf and an annual rate of growth of 2.3%. Much of the growth occurs through increased penetration of natural gas as the preferred fuel for electricity generation, increasing from 16% market share in 2000 to 36% by 2020.

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[1] This estimate is based on direct employment in construction in Canada of 30,000, grossed up by 95% for the Alaska portion.

- A real price for natural gas at Henry Hub of $3.10 per mcf in 1999 rises to $4.04 in 2020, a real increase of 1.3% per year.

- A world oil price of $36 per barrel in nominal terms in 2020 is consistent with a real price of $17.46 in 1999 rising to $22.41 in 2020. Imported oil will provide a growing share of US demand, increasing from about 50% today to 64% in 2020.

- Increased reliance on imported supplies of natural gas from Canada and greater domestic production from Rocky Mountain deposits.

In this context, it is clear that an incremental supply of 1.4 tcf from Alaska will "fit" easily, with little disruption to natural gas markets. The price is in the range required for viability of the project, including adequate returns to the transmission systems, the North Slope producers, and the downstream distribution systems.

If there is a reduction in the price of natural gas as a result of the new supplies it should be modest, given that the supply is small relative to the total expected demand. It should not be forgotten that lower prices do confer a benefit on consumers in Canada and the US.

More details about US energy outlook and a comparison of the macroeconomic assumptions underlying the EIA forecasts are contained in **US Energy Demand and Policies through 2020 (4.4.1).**

There are risks to this outlook. Natural gas prices have become more volatile and there is growing uncertainty about future supplies, with a number of proposals for new LNG supplies along with hopes being pinned on new supplies from Mexico and/or the offshore Gulf of Mexico.

In a recent study by the EIA[2] they assume that an Alaska Highway Pipeline will **not** be built before 2020, based on similar gas prices to those identified above. They cite their assessment that a higher US wellhead price will be required before a pipeline will be built. The study does examine the effect of US government loan guarantees and involvement in speeding up the project, resulting in earlier delivery and lower prices for natural gas.

Some of the other uncertainties cited (p. 19 ff) included:

- The availability of stranded gas to feed the pipeline

- The decision process behind the pipeline

- The capital cost of the pipeline

- The effects of the loan guarantee on investors' perceptions of risk

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[2] EIA, The Effects of the Alaska Oil and Natural Gas Provisions of H.R. 4 and S. 1766 on US Energy Markets (February 2002; SR/OIAF/2002-02)

Their calculations essentially use a benefit-cost framework to develop a trigger price for the development, with a requirement for a sustained higher US wellhead price before action is taken. This backward-looking inertia model of decision-making in the US energy industry may be appropriate, but it need not be that way. If the US is interested in reducing its vulnerability to imported oil, in supplying electricity to its high-tech industry, and utilizing the stranded gas in Alaska, then someone needs to step up and assume some risk with, presumably, some expectation of reward. The opportunities seem to be present, as indicated by the first part of the economic studies - the benefit-cost framework.

2.1.4 *Benefit-cost*

The methodology and detailed results are described in the Working Paper **Cost-Benefit Analysis of the Alaska Highway Pipeline Project (8.1).** In general terms, the framework looks at Canada and the US (Alaska and the lower 48), with each stakeholder's financial position kept separate (producers, Alaska government, pipeline operators, and consumers). It is recognized that a multi-jurisdictional, private-public venture has the challenge of providing positive net benefits to all parties in order for the project to proceed. (If the initial allocation does not produce this outcome, then side transfers may be necessary to achieve it.)

The project produces positive net present value for Chicago city gate prices in excess of $3.00 US ($2.00 US in Alberta), with discount rates in excess of 10% in real terms.

2.2 What is the economic impact of the pipeline project?

The study of the economic impact of a large construction project can be likened to dropping a rock into a pond. If one looks at the pond in its entirety, the impacts are modest (if it is a large pond). But near the entry point of the rock, there are sizeable waves that ripple outward. After the rock reaches bottom, it displaces some water, raising the level of the pond somewhat. This is more akin to the operations phase of the project, with some increase in the level of activity, but not in a readily discernible manner. Of course, if the rock is really big, and some part of it remains above water, then there is a permanent change in the pond, with a new "island" formed by the rock as well as a permanent rise in the level of the pond.

It is not clear if the Alaska Highway Pipeline Project (AHPP) will be big enough in Canada to form a new "island". Even on the North Slope of Alaska much of the infrastructure and gathering systems are already in place, so that post-construction the activity in terms of people will be quite modest.

To assess the economic impact of the project, a large econometric model of the Canadian economy is used. The first step is to develop a plausible view of the path of the economy through 2025, **without** the Alaska Highway Pipeline being built. This constitutes the Reference Case or **Base Case**. Then the pipeline construction and operation is assumed to take place. This generates an alternative path for the economy, referred to as the **Pipeline Case**. Finally, the two cases are compared by subtracting the Base Case from the Pipeline Case. This **difference** is the impact of the decision to build the pipeline. Different assumptions about other factors like government policy responses can generate alternative paths.

A similar process is used to analyze the provincial impacts and the impacts on the Yukon economy, with models of each used to generate several cases that are then compared.

The ability to isolate the impacts of a particular construction project is the strength of this approach. Of course, there may be many other changes that occur in the event that a pipeline is built. New uses of the natural gas will arise; other developments may be triggered, cost-of-living changes may change the population of Yukon, etc. But these other developments should be treated separately, or as part of the articulation of a different vision of Northern development. This effort is beyond the mandate of this project. We have noted several such possible developments, but do not include them as part of the direct impact of the Pipeline Project.

2.2.1 *Nationally*

Impacts are reported for each year of 2002 to 2025 in the detailed Working Papers. From the perspective of interpretation, however, readers should understand that there are two overlapping phases represented in these results. The construction phase covers from 2002 to 2012, peaking in 2006, and consists of structure and machinery & equipment investments. The operations phase spans from 2007 to 2025, and increases gradually from 2007 to 2013 after which the impact is constant through the remainder of the years.

The major indicators for macroeconomic effects are Gross Domestic Product (GDP), employment and unemployment, business investment, inflation, and government balances. Also highlighted are industries that are directly impacted by the AHPP, specifically pipeline transportation, oil and gas construction, primary iron and steel fabricating and aircraft and aircraft parts industries.

Both impact cases use the same direct inputs of investment, tariff revenue and operations employment. However, the cases differ on the fiscal position of the federal and provincial governments. In discussing the possible behavior of governments there was substantial uncertainty. Some think that governments will hold on to every additional dollar of revenue that comes there way, using the proceeds to pay down debt or build up reserves for the future. Others suggest that governments should be assumed to reduce taxes or spend any improvement in their fiscal position, passing on, or recycling, improvements in their fiscal position. This assumption is not inconsequential. With recycling there are larger induced effects on people's incomes, more employment, and reduced unemployment. For each impact we have developed **two** scenarios or paths.

Scenario 1 (No Government Recycling)

> There is no change in fiscal policy by all levels of government. Consequently, any changes in government balances are assumed to go directly into debt reduction or acquisition of financial assets.

Scenario 2 (Governments Recycle)

> The governments recycle the increased revenue using three specific techniques: lower Employment Insurance (EI) contribution rate, keep federal business taxes equal to the base and keep federal personal income taxes equal to the base. The first two techniques

will directly reduce federal revenues, while the last technique will reduce federal and provincial revenues because provincial personal tax rates are linked in the model.

The overall effect of the second scenario is to increase the **induced** effects of the impact, by effectively increasing disposable income through lower tax rates.

Table 4 Major Macroeconomic Indicators

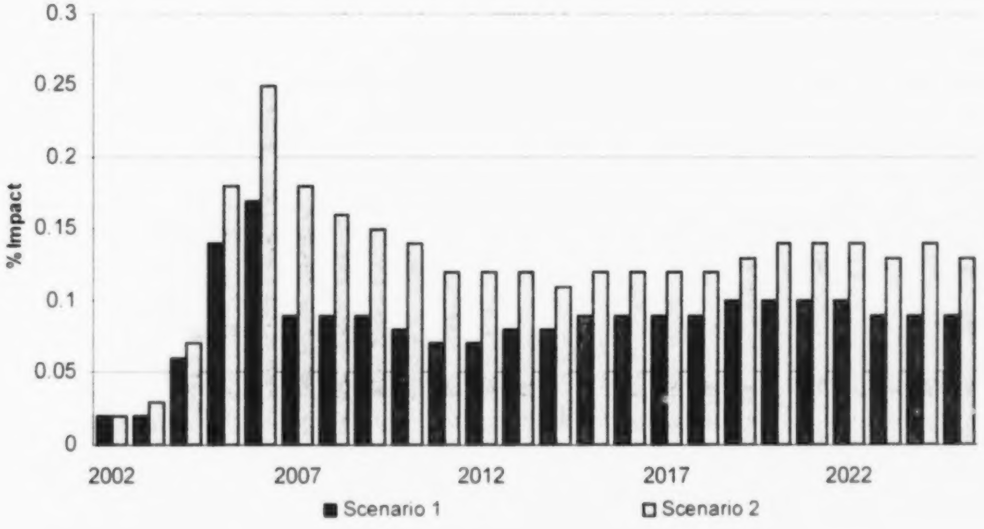
	Scenario 1			Scenario 2		
	2002-2012	2013-2025	2006	2002-2012	2013-2025	2006
	Average Annual Impact					
Gross Domestic Product						
Market Prices (2000$Mn) (a)	0.08%	0.09%	0.17%	0.13%	0.13%	0.25%
Market Prices (2000$Mn)	$1,009	$1,425	$2,043	$1,622	$1,984	$3,012
Total Economy Employment (LFS)	6,618	2,688	28,521	17,673	14,053	43,363
All Government Net Lending ($Mn)	772	1,542	1,334	290	490	472
Current Account Balance ($Mn)	156	1,725	-1,091	-233	593	-1,522
Unemployment Rate (%) (b)	-0.03	0.00	-0.13	-0.07	-0.03	-0.20

(a) Average Percentage Impact (b) Percentage Point Impact

Source: Informetrica Limited

The overall effect of the AHPP on Canadian GDP is relatively small, with a peak impact in 2006 of less than 0.2 per cent in Scenario 1 and a peak impact of 0.25 per cent in Scenario 2. The longer-run effects are comparable in both scenarios at 0.1 per cent, with Scenario 2 higher in all years.

Figure 1 GDP Impacts, by Scenario



This is also the case for the employment impacts with peak employment in 2006, at 28,500 when the governments retain increased revenues, and 43,400 employees when the government recycles revenue. Longer-run impacts (2013-25) are modest at 2,700 employees per year when the government retains increased revenues, but this increases to 14,000 employees annually when the government recycles increased revenues.

The unemployment rate is reduced by a tenth of a percentage point at the peak in both 2005 and 2006, when the governments retain increased revenues. However, when governments recycle increased revenues, the unemployment rate declines by a tenth of a percentage point from 2004 to 2009 and two tenths of a percentage point in 2006.

The investment profile is similar for both scenarios because the initial pipeline investment impacts are identical. However, government recycling increased revenues causes some induced investment in machinery and equipment (M&E) over the 2007 to 2012 period. This induced M&E investment occurs in the service industries, caused by increased consumption and real disposable income.

If governments do not recycle the increased revenue, then all levels of government benefit from the AHPP. In this scenario the federal government gains the most, due initially to increased business tax and personal tax revenue. The scenario specifies that the total gain of the balance be directed to paying down the national debt. The longer term is dominated by lower interest payments on a smaller debt load. This is also the case for hospitals, and the provincial and local governments but to a lesser degree.

The second scenario impact on the federal government balance fluctuates over the first seven years of the impact, but over the medium and longer term the recycling has a negative influence. These modest losses are caused by inflation indexing for many of the federal governments revenues and expenditures.

The provincial governments recover almost all of the recycled provincial personal tax revenues through provincial retail sales tax revenue on higher consumption goods spending. Both CPP and QPP balances increase due to higher activity in the economy, but these will be offset through higher payments in the future as a result of greater employment.

Local government and hospital balances are only marginally increased in both scenarios, and virtually unchanged between the two scenarios.

Detailed discussion of the impacts and the methodology are in the Working Paper, **National Impacts of the AHPP (6.1.1)**.

2.2.2 *Industries*

The three most directly affected industries are: primary iron and steel manufacturing, oil and gas facility construction, and aircraft and aircraft parts manufacturing. The primary iron and steel industry manufacture the pipe, valves and fittings used in the AHPP. The oil and gas facility construction industry is responsible for installing the pipe in the ground. The aircraft and aircraft parts industry manufactures the compressor, which is generally a retrofitted jet engine.

From 2005 to 2007, which is during the peak investment period by the pipeline industry, both output and employment peak for all three directly impacted industries in both scenarios. Output impact on the aircraft and aircraft parts industry remains strong through 2012, reflecting the longer period during which compressors are installed. The greatest impact is on the oil and gas facility construction industry, with output higher by 10% during the peak years as measured by industry GDP or value-added. The primary iron and steel industry and aircraft industry will experience impacts of about 2% of industry GDP over the peak years.

During the operations phase, the Canadian pipeline transportation services industry increases by about 10% relative to the base case. This increase is in line with the increased capital stock put in place for pipelines.

2.2.3 *By Region*

The parts of the "pond" most affected by the "rock" are the Yukon, the northeast part of British Columbia, and Alberta. The procurement of the pipe will also send a major ripple through to Saskatchewan and Ontario, and the assumed purchase of compressors from Quebec is a welcome splash there as well. Other parts of Canada are influenced only modestly as a result of the induced spending, or some of their residents temporarily working in Yukon or BC during the construction period.

In the Regional-Industrial Model (RIM) we distinguish only at the provincial level and for the Territories combined (Yukon plus NWT plus Nunavut). The effects on GDP by region show an increase of 8.5% to 11% for the Territories combined, about 0.4% to 0.5% for BC, and a very modest impact of 0.1% to 0.2% for Alberta[3] and the rest-of-Canada (ROC).

Table 5 Across-province views of GDP Impacts

Gross Domestic Product

	2002	2003	2004	2005	2006	2007	2008-25
			% Impact				Av %Imp
Scenario I							
Territories	0.29	0.38	1.56	4.73	8.51	5.53	8.90
British Columbia	0.01	0.01	0.08	0.23	0.38	0.21	0.30
Alberta	0.08	0.09	0.06	0.09	0.12	0.07	0.10
Rest of Canada	0.01	0.01	0.05	0.12	0.10	0.05	0.05
Scenario II							
Territories	0.38	0.66	2.04	6.12	11.20	8.58	10.80
British Columbia	0.01	0.02	0.10	0.29	0.47	0.32	0.30
Alberta	0.08	0.10	0.07	0.12	0.17	0.12	0.10
Rest of Canada	0.01	0.02	0.06	0.15	0.17	0.12	0.02

Employment effects are distributed similarly, with peak employment increases in the Territories of about 7,000 to 8,000 during peak construction, larger increases of about 8,000 to 11,000 in

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[3] There is no additional expansion of the Alberta pipeline system in this study. The only segment in Alberta is a short one of 64 kilometres from the BC border to Gordondale, Alberta.

British Columbia, and 3,000 to 4,000 in Alberta with 10,000 to 20,000 in the rest-of-Canada. The variations are traceable to the different scenarios for government recycling their revenue improvements.

2.2.4 *In the Yukon*

The splash in the Territories is even larger when the focus is the Yukon alone. Almost all of the effects are concentrated there, with little activity attributable to the pipeline in NWT and Nunavut.

Gross Domestic Product (GDP) in the Yukon increases by 20% to 30% at the peak of construction (2006) and by 30% to almost 40% during the operations phase (2013-25). The increase during the operations phase will be mainly due to the inclusion of the pipeline transportation services margins in the Yukon's GDP. The range flows from the two scenarios about fiscal recycling by governments.

Employment increases are measured in two ways: the increase in **workers** within the borders of Yukon and the increase of employment of **residents** of Yukon. In Scenario I in the peak year of 2006, employment increases by about 7,000 employees within the borders of Yukon (36%, see Tables below). The employment increase for residents in the same year is about 2,700, of which about 1,060 are direct construction jobs (20% of the increase in construction employment) plus all of the induced jobs as a result of higher spending by both transients and residents in the Yukon. This increase in employment of residents is what drives the increase in personal disposable income in the Yukon, up by 12.3% during the peak construction years of 2005-07 (see Tables below). Workers resident in other locations also increase the personal disposable income of those other regions.

The actual split between residents and transient workers will be complex. If it is believed that residents will have some preferential treatment, then there will be a surge of "residents" moving from elsewhere, but with a strong likelihood of leaving after the project winds down. We have purposefully assumed that there will be no incentive to move, in order to better understand the impact on **current** residents of the Yukon.

Table 6 Major Indicators for Scenario 1, Yukon

	2002	2003	2004	2005-07	2008-12	2013-20	2021-25
				Average % Impact			
Gross Domestic Product	1.0	1.3	5.3	21.2	27.5	31.8	30.0
Demographics							
Population	0.0	0.2	0.4	0.6	0.6	0.6	0.6
Employment ('000s)	1.4	1.7	8.3	36.2	5.9	7.1	9.0
GDP($86)/employed worker	-0.4	-0.5	-2.8	-10.7	20.5	23.1	19.3
Investment							
Nonresidential Structures	0.1	0.1	114.9	330.4	3.3	0.8	1.0
Machinery and Equipment	0.5	0.7	31.9	118.7	77.1	2.6	3.8
Other Indicators							
Real Personal Disposable Income	1.1	1.2	3.3	12.3	6.9	7.5	8.0

Table 7 Major Indicators for Scenario 2, Yukon

	2002	2003	2004	2005-07	2008-12	2013-20	2021-25
			Average % Impact				
Gross Domestic Product	1.3	2.2	6.9	29.3	34.7	37.3	37.3
Demographics							
Population	0.0	0.2	0.4	0.6	0.6	0.6	0.6
Employment ('000s)	1.8	2.9	10.3	45.2	13.0	10.7	13.8
GDP($86)/employed worker	-0.5	-0.7	-3.1	-10.7	19.3	23.9	20.7
Investment							
Nonresidential Structures	0.1	0.2	115.1	331.4	4.3	1.9	2.7
Machinery and Equipment	0.6	1.1	32.6	122.3	80.0	5.2	7.7
Other Indicators							
Real Personal Disposable Income	1.4	2.2	4.9	20.2	14.1	12.9	15.1

The careful handling of employment activities and distinguishing between residents and transients is key to the proper identification of effects in the Yukon. We have tried to make realistic assumptions about the residence of additional workers and their spending patterns, but it may be desirable to investigate this matter in greater detail.

As the construction period winds down, after 2007, Yukon residents can supply the residual demand for construction workers. During the operations phase (2013-25) employment is modest (about 1,000 to 1,700), with most of it supplied by residents of the Yukon. Direct employment during the operations phase is expected to be about 170 people in Yukon, with a similar number in British Columbia.

Table 8 Yukon Employment, Construction and Operations

	Annual Average Employment					
	SCENARIO 1			SCENARIO 2		
	2002-12	2013-25	2006	2002-12	2013-25	2006
Direct Employment	1,101	171	5,287	1,101	171	5,287
Total Employment	1,768	1,002	6,933	2,599	1,692	8,254
Residents	887	1,002	2,703	1,718	1,692	4,024
Transient	881	-	4,230	881	-	4,230

We have assumed only modest increases in the population of the Yukon as a result of the pipeline. It is conceivable that much larger increases could occur if there was an advantage given to residents for employment on the pipeline's construction or if there were much larger spin-offs than we have identified to date. In our work, we tend to focus on the employment effects, which in turn support people living in the area. During the operations phase, direct employment increases are modest, and existing residents can meet most of the requirements. There is certainly room to lower the unemployment rate of current residents. Hence we have raised the population in the longer term by only 200.

Most of the GDP during operations is allocated to capital consumption allowances (CCA), interest costs, and profits before tax. While important activities, they generate little employment in the Yukon. Further details on the Yukon impacts can be examined in **The Impacts of the AHPP on the Yukon Economy (7.1.2)**.

2.2.5 *Communities in the Yukon*

Communities along the pipeline route will feel the largest impacts, with competition for local workers, induced jobs from spending by pipeline workers, and demands on the local infrastructure as well. Detailed studies of each community were not possible under the scope of this project. However, a general tool for such assessments has been provided, along with two example applications – one for Whitehorse and one for Haines Junction. It is recommended that communities concerned about the pipeline impacts use this tool as a starting point for an assessment. Spreadsheets can be provided to interested parties to assist in the calculation of impacts. Full details are provided in the Working Paper **Assessment of Economic Impacts using the Local Area Model (LAM) (7.2.3)**.

The local effects considered include:

- Direct employment by the pipeline or related contractors (direct)
- Local procurement of goods and services by the pipeline construction entities (indirect)
- Spending by non-resident workers (induced external)
- Bidding up local wages and prices
- Population changes and pressure on local infrastructure

The model picks up the induced effects from increased local income being spent locally and also estimates the impact on local taxes.

The major finding is that Whitehorse has larger impacts in size, given that it is in a position to supply some additional services to the pipeline construction and to workers. It will benefit from the movement of people in and out of the Yukon during construction. The percentage impacts are also larger, since the Whitehorse economy is able to supply a larger fraction of induced needs than other locations in Yukon.

The Local Area Model is a simple tool for local assessments. It does not try to account for linkages between cities, or to estimate the time path of activities or the impact on local investments in infrastructure or new capacity. The other models are better suited for such appraisal for the Yukon Territory as a whole.

As the project becomes closer to reality, it should be possible to develop a sense of the range of activity for each local jurisdiction. Discussions can then proceed on either minimizing the impacts or maximizing them, depending on the choices of the community. Some ideas for modifying the local impacts are sketched out in the Working Paper.

2.2.6 *Inter-Provincial Input-Output Model*

The Interprovincial Input-Output Model (IPIO), developed by Statistics Canada, defines the relationships between industries and commodities used for production and consumption. The IPIO Model also incorporates the interrelationships between provinces and territories (includes Yukon and combined Northwest Territories and Nunavut) through interprovincial imports and exports, likewise with foreign economies through imports and exports.

Direct impacts of the Alaska Highway Pipeline Project (AHPP) are separated into construction phase and operations phase impacts, and will be dealt with separately. The **construction phase impact**, for the Yukon segment, will be $2,138 million impact from structures investment, and $1,231 million impact from machinery and equipment investment, or a total of $3,369 million. The construction phase impact, for the British Columbia segment, will be $1,711 million from structures investment, and $927 million from machinery and equipment investment, for a total of $2,368 million.

Table 9 Construction Phase Impacts, in $millions and person-years[4]

	Investment	Yukon	B.C.	Rest of Canada	Imports	inventory Adjustment / Taxes / Subsidies
GDP (Yukon)	$3,369	$1,106	$184	$632	$1,155	$291
GDP (B.C.)	$2,638	$1	$1,027	$495	887	$228
GDP Total	**$6,006**	**$1,107**	**$1,211**	**$1,127**	**$2,042**	**$519**
	Total					
Person-Years (Yukon)	27,894	14,261	3,624	10,009		
Person-Years (B.C.)	22,085	21	14,205	7,859		
Person-Years Total	**49,979**	**14,283**	**17,829**	**17,867**		

The construction phase is estimated to generate a total of 50,000 person-years of employment in the Canadian economy over the 10-year construction period. In total, 14,300 person-years are generated in the Yukon and 17,800 person-years in British Columbia, primarily in the construction industry. British Columbia has the advantage of providing material input to the Yukon segment which generates a further 3,600 person-years of employment. However, the British Columbia investment does not generate many employment opportunities in the Yukon because they do not provide inputs for the BC Segment. Central Canada, Saskatchewan, and Alberta are the provinces that also gain employment during the construction phase by providing input materials for the pipeline.

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[4] Interpretation of this table uses the Yukon as an example but BC follows the same pattern. The investment that occurs in the Yukon is given beside the row titled "GDP (Yukon)" in this case $3,369 million. The consequence of this investment is given in the rest of the row. So it generates $1,106 million of GDP for the Yukon, $184 million for BC, $632 million in the rest of Canada, and $1,155 million is spent on imports, with another $291 million made up of taxes and unallocated inventory change. The employment associated with the GDP generated is given in the row titled "Person-Years (Yukon)". So $1,106 million of GDP in the Yukon generates 14,261 person-years of employment in the Yukon.

Peak construction occurs in the 5th year, or 2006 in the time path used by Informetrica Limited, with $1,469 million in structures investment and $321 million in M&E investment. Peak employment during the construction phase generates 17,110 jobs in Canada of which 5,367 jobs are in the Yukon, and 6,201 jobs are in British Columbia.

The construction phase investment is expected to generate a total of $3,446 million of GDP for Canada of which $2,318 million is split almost equally between the Yukon and British Columbia.

A significant portion of the investment is accounted for by a rise in imports of $2,042 million. This is attributable to the M&E investment leaking out of the country at a rate of 64% and structures investment leaking out at a rate of 17%. If a domestic supplier of the compressors and pipe is available and expected, it is not reflected in the IPIO model. The employment results are not unlike the findings of the TIM and RIM models with the exception that TIM and RIM assume that 90 per cent of the compressors and pipe can be supplied domestically. This assumption was made to test the economy for capacity (bottle-necks). The reasonableness of this assumption was confirmed through discussions with firms that could likely supply these inputs. Lower import leakage rates resulted in higher indirect and induced impacts to the Canadian economy.

The **operations phase impact**, for the Yukon segment, will be represented by the annual cost-of-service revenue of $635 million generated from the ultimate flow rate of 4.0 billion cubic feet per day. Likewise, the annual cost-of-service revenue of $508 million generated from the ultimate flow rate is representative of the British Columbia segment.

Table 10 Operations Phase Impacts, in $millions and person-years

	Cost-of-Service (Peak)	Yukon	B.C.	Rest of Canada	Imports	Inventory Adjustment / Taxes / Subsidies
GDP (Yukon)	$635	$552	$3	$17	$15	$48
GDP (B.C.)	$508	$0	$444	$13	$12	$38
GDP Total	**$1,143**	**$552**	**$448**	**$30**	**$27**	**$86**
	Total					
Person-Years (Yukon)	3,455	3,115	59	281		
Person-Years (B.C.)	2,764	0	2,528	236		
Person-Years Total	**6,219**	**3,115**	**2,587**	**517**		

The operations phase will increase the base employment by 6,219 person-years annually in the Canadian economy with 3,115 person-years occurring in the Yukon and 2,587 person-years in British Columbia. The operations phase generates few employment opportunities in the rest of Canada. $1,143 million of GDP will be generated annually in Canada of which $552 million and

$448 million will be from the Yukon and British Columbia's transportation sectors, respectively. The GDP generated may be inappropriately represented because much it will be used to service the loans on the pipeline investment (pipeline cash flow). This would take place at the head office of the pipeline company (most likely in Alberta but shared over the path of the pipeline, the Yukon and BC), but this type of GDP does not generate employment.

With the GDP mix being abnormal, then employment estimates will also be inflated because of the fixed productivity assumptions of the IPIO Model. The IPIO Model assumes a productivity of approximately $200,000 per employee with a capital-labour ratio of $1 million per employee for the pipeline transportation industry. Historical capital labour ratios for this industry have been more in the order of $4.5 million per employee (based on 1992 capital stock and Labour Force Survey), which would reduce employment estimates by 3,000 person-years during years of peak natural gas flow. New computer monitoring devices in recent years have greatly enhanced labour productivity in the pipeline transportation industry, which would further reduce the employment estimates.

Although the employment estimates are too high, the cost-of-service will provide a significant impact to the Yukon economy. This, combined with the expectation of at least 25 years for the operations phase, would create a new solid base for the Yukon's economy over the next quarter century.

As a cautionary note, when using the IPIO Model for impact analysis the modeller must be aware of the limitations and structural assumptions, about productivity and import leakage, that is inherent in the model. **We are more confident in employment and GDP estimates from TIM and RIM results** because these limitations and structural assumptions have been dealt with and corrected for in an intelligent manner.

Detailed discussion of the impacts and the methodology are in the Working Paper, **Interprovincial Input-Output Analysis of the Alaska Highway Pipeline Project (7.2.1)**. The associated pipeline impact calculator is **7.2.1_IPIO_AHPP_Calculator.xls**, and inputs can be made as a time series of construction investment, M&E investment and cost-of-service revenue in both the Yukon and BC.

3 Other Important Dimensions

The benefit-cost and economic impacts are only two of the important dimensions. We have also considered the effects on the human resource needs and government fiscal positions. Issues around the environment and socio-economic impacts are touched on lightly.

3.1 Human Resource Impacts

During construction, direct employment in Canada of about 10,000 people at the peak construction year in 2006 is supplemented with another 20,000 to 30,000 indirect and induced jobs in other sectors. With over 1,000,000 people unemployed every year since 1981, it would seem that the increase in employment would be welcomed and place little strain on the economy to supply the necessary people. However, the jobs to be filled are not all unskilled positions.

To assess the needs in more detail, the demand for labour has been translated into occupational forecasts by year and by region, with a focus on specific occupations likely to be in short supply or to require special attention. The details of this study are in the Working Paper, **Human Resource Dimensions of the AHPP: Yukon (7.4.1)**.

In the Yukon, the lack of available skills (e.g., pipeline welders) will limit the full participation of Yukon residents in all aspects of the pipeline construction. However, any Yukoners with any of the required skills are likely to get a job on the pipeline construction. There will be significant opportunities in the induced jobs, resulting from the improved incomes of Yukoners and transients.

Table 11 Major Occupational Demands in Yukon, Annual

	Scenario 1		
Yukon	2002-07	2008-12	2013-25
	Average Impact		
Identified Items Below	2485	717	944
MANAGERIAL, ADMINISTRATIVE & RELATED	286	89	135
NATURAL SCIENCES, ENGINEERING & MATHEMATICS	114	48	83
ARTISTIC, LITERARY, RECREATIONAL & RELATED	21	6	18
CLERICAL & RELATED	320	123	181
SALES	95	77	117
SERVICE	198	86	173
FARMING, HORTICULTURAL & ANIMAL HUSBANDRY	67	9	5
MACHINING & RELATED	52	10	8
PRODUCT FABRICATING, ASSEMBLING & REPAIRING	118	48	58
CONSTRUCTION TRADES	1091	150	77
TRANSPORT EQUIPMENT OPERATING	76	39	44
MATERIAL HANDLING & RELATED, N.E.C.	23	9	12
OTHER CRAFTS & EQUIPMENT OPERATING	25	23	33

The preceding table shows those occupations with an **annual** requirement of more than 20 additional workers in the first five years of the project. Later periods are generally less demanding. A number of the skills may be readily available in the Yukon. Others may require additional people from other regions. The development of a detailed human resource plan is beyond the scope of this study, and requires an inventory of existing skills in the Yukon as well as consideration of other demands over the same period. But as a rough guide, occupations with significant employment in each of the three periods over the next twenty-five years may be good career choices for young Yukoners, if the pipeline proceeds. Items with large demands at the beginning but little later (e.g., construction) may be better filled from outside. (This is what we assumed would happen as well, by filling only 20% of the construction jobs from Yukon residents.)

Additional training can help. Plans for expanded training at Yukon College will no doubt expand the choices available to residents. But the general framework should recognize that not all jobs can or will be filled by residents. As well, training should include concerns about post-construction employment opportunities. In the Working Paper, **Human Resource Dimensions of the AHPP: Yukon (7.4.1)** additional detail is provided for the two scenarios.

3.1.1 *First Nations*

Concerns about employment of Yukon First Nations people, are addressed in both the occupational study and in a separate Working Paper, **AHPP and First Nations: Linkages (7.6)**. Aboriginal people make up about 20% of the Yukon population, and an even larger share of the younger group, 15 to 34, which is a natural focus for further training. Broad-based training for both the construction jobs and those induced jobs in other sectors is recommended. Several other recommendations are made as well.

3.1.2 *Labour Unions*

A brief summary of some of the issues and opportunities of early involvement of the unions in the planning process are laid out in the Working Paper **AHPP and the Unions: Linkages (7.2.7)**. There is also an important role in the delivery of trades training, as exemplified by the United Association of Plumbers and Pipefitters. The Whitehorse Local 310 has undertaken a training course with special emphasis on First Nations participants, providing both local classroom training and apprenticeship training at Fort McMurray in Alberta. With training times in specialized trades measured in years, early development of a strategy is important.

3.2 Environmental Impacts

The scope of this study precluded any detailed work on environmental impacts. What was done is a brief overview of the issues identified in earlier studies in the 1970s, as well as issues raised in later years. This has been summarized in the Working Paper **AHPP and the Environment: Linkages (7.2.8)**.

Although construction projects inevitably adversely impact the terrain they cross during construction, it is possible to minimize the immediate and long-term damage and, indeed, even improve on the environment in the process. In the prior process of approval to proceed with essentially this pipeline project, environmental reviews resulted in a go-ahead. Since that time, construction technologies have improved, with more options now available for river crossings (e.g., tunnelling under them) than in the past. Companies have increased experience in operating in a more environmentally conscious manner. With this particular pipeline project, it would appear that we are in better shape to proceed with a good base of knowledge on local environmental issues than is normal. Monitoring by governments remains important to ensure that we do what we know how to do.

3.3 Government Finances

The Yukon government operates in a unique fashion with respect to its own revenues and expenditures and their relationship to the federal government. What was thought to be a simple relationship is anything but, with about 66% of total Yukon government revenue coming in the form of a federal grant. The problem is that any increase in own-account revenues can reduce the federal grant. The question is how much and does it depend on the reason for the increase?

A spreadsheet model of the Yukon Budget balance was constructed and documented. See **Government Expenditure and Revenue Model: Yukon (7.2.5)** for the details, including forecasts with and without the pipeline project. The "perversity factor" shows up, where improvements in own-account revenue lead to lower federal grants, although it appears that they are not so large that the Yukon is worse off with more development.

Of particular concern is that the Yukon government faces increased expenditure requirements without the revenue improvements to finance them. Even though their own-account revenue improves, it is offset by reductions in the federal grant, leaving them in the unenviable position of raising tax rates even though own-account revenues have improved.

The spreadsheet model should help others to understand this issue better and could be the basis for discussions between the federal and territorial governments. Indeed, some new approach would seem warranted and in the spirit of the increased responsibilities being assigned to the territorial government.

4 What About?

Although we have examined a number of the economic dimensions of the Alaska Highway Gas Pipeline Project, there are inevitably additional dimensions that could be subjects of additional study. Two areas that are frequently mentioned are developments of oil and gas in the Yukon and subsequent uses of the natural gas in Yukon. Both areas are interesting, but can be separated conceptually from this study. These other activities may be "enabled" or made more economic by the existence of the gas pipeline, but they will need to meet their own benefit-cost criteria. Their economic impact will be subject to a different assessment at a different time. Nevertheless, we have provided some information to assist the reader in sizing these activities and identifying the associated issues.

Another issue that arises is a comparison of this study to other impact studies of gas pipelines. Indeed, we have undertaken other studies ourselves and can usefully compare them.

4.1 Yukon Gas and Oil Developments

In a Working Paper, **Development of Gas Fields in Yukon and BC (4.1.1)**, it is noted that the existence of a gas pipeline is likely to spur gas exploration throughout the Territory, since it means that there would be the possibility of transporting the gas to market. If very large reserves are found, then additional pipeline development may be required. There are a number of potential areas in both the Yukon and BC. Indeed recent announcements in northern BC have increased the interest in such developments.

Current gas supplies in the Liard Basin are the most obvious candidates for offering additional supply. Indeed, some part of that gas could be used to "top up" the supply as it leaves Yukon, allowing for gas withdrawals in Yukon for fuel and other applications to be made without reducing delivered volumes.

4.2 Post-Pipeline Developments

The availability of natural gas in the Yukon broadens the choices for the Yukon. Cheaper fuel costs for the development of mines and smelters becomes a reality. The local distribution of natural gas for heating and cooking fuel becomes possible in some of the larger communities near the pipeline. The generation of electricity from natural gas is an option, replacing diesel fuel systems. A number of these options are examined in greater detail in the Working Paper, **Pipe Dreams: Post Pipeline Development Impacts (4.2.1)**. The Working Paper resulted from a review of many possible effects, and a separation of these effects into those that were a necessary part of the pipeline development (ancillary developments) and those that may occur but which were not a necessity for the pipeline's success.

Economic development in any form also spurs interest in the development of industrial parks, residential areas, and retail space. However, such developments are best studied separately, since in each case other developments may amplify the need or reduce it.

4.3 Comparison to 2000 Study for Federal Government

In 2000, Informetrica Limited undertook an economic impact study of the national effects of several pipeline proposals, including a variant of the Alaska Highway Gas Pipeline; a comparison to this study is provided in Working Paper, **A Comparison: Impact Studies and the Trans-Alaska Pipeline (6.1.2)**.

The general profiles, the relative multipliers, and other dimensions were similar, not surprisingly. After all, the same model was used and similar assumptions made. But several distinctions were important to note. In the 2000 study, the pipeline specified could not be made in Canada and therefore it was imported. This reduced the positive impacts on the Canadian economy. Fiscal policy was "fixed", with any revenue increases being retained by governments. This dampened the positive income effects, and is similar to Scenario I in this study.

In the 2000 study, additional construction activity is undertaken in Alberta and Saskatchewan to enhance pipeline capacity in these provinces and to convey the incremental gas supply to US markets. In this study, no such provision is made explicit, thereby reducing the direct construction costs. At the same time, no explicit revenue is associated with the transmission of gas beyond Gordondale, Alberta in this study.

In this study, additional information was available about the location of construction activity. As well we were able to assess more accurately the supply capability of the Yukon for direct and indirect contributions. Thus the allocation of activity by region is more accurate.

5 Assessment of Readiness

5.1 Areas requiring further information

5.1.1 *Final route definition*

Although there is a routing of the pipeline that was defined previously, there have been some discussions of minor changes in the routing that may reduce the environmental impact. For example, in the Ibex Valley near Whitehorse some changes have been proposed.

As part of a process leading to a decision to proceed, it makes sense to pin down the final version of the proposed routing, and the associated costs of those changes.

5.1.2 *Review of subcontracting plans*

The detailed plans of Foothills articulate well the construction crews that are laying the pipeline and building the compressor stations. But there are many other aspects of the project that appear to be "contracted out", including the movement of pipe to the sites, movement of workers to the sites, etc.

Governments are interested in the **total** human resource requirements for the construction phase and operations phase. These estimates feed economic impacts, revenue forecasts, socio-economic studies, and the development of human resource plans. A further detailing of the employment and skill needs in these other areas would be helpful.

5.1.3 *Review of human resource needs – occupation*

The Informetrica Occupational Requirements Working Paper should be treated as a first approximation to the overall human resource requirements for the project. We have used the available information, but feel that the subcontracting dimension requires further study. Different approaches to satisfying the logistical needs will imply different occupational mixes.

We note that the model "signals" a significant risk of labour shortages in the Yukon, which could affect project economics and the effects reported here. The scale of potential effects in the Territory, and uncertainty about local-area impacts, sources of labour supply, and tax status of affected populations are important qualifications to the effects reported.

5.1.4 *Contingency plans for low natural gas price world*

There is general agreement that the project is viable with natural gas prices in the range of $3.00 to $4.00 US per MMBtu at Chicago (2002 prices). The project risk is that the price for natural gas stays closer to $2.00 US per MMBtu, leaving no economic rents at the North Slope and squeezing the transportation margins. It would be useful for all participants to consider possible contingency arrangements that could be put in place before the project proceeds or that could be triggered in the event that prices fall. Note that the concern is about prices during operations, not during the construction period. Indeed, low oil prices during construction will help to reduce construction costs, even if it makes North Slope producers nervous in the process.

Some elements of a contingency framework might include the following:

- A constant dollar tariff will reduce costs at the front-end, escalating with inflation later, when presumably the revenues in nominal terms at least will be improved.

- What are the minimal prices along the system below which it is less costly to cease operations? Pipeline operations must cover variable costs and producers require variable costs as well. Is the "close-down" price higher? Do producers simply leave it in the ground for another day? Or continue to reinject it to maintain field pressure, thereby reducing oil-lifting costs?

- Can long-term contracts for natural gas be struck at "economic" levels (around $3.00)? If so, who sells them, what volumes are covered, and how are they rolled over in the longer term?

- Can the financing of the pipeline use indexed bonds, linked to natural gas prices? This could provide increased variability in total costs under different natural gas price scenarios.

5.2 Steps after decision to proceed

Although there remain a number of areas for further research and deliberation, some are better postponed until there is a reality of a project facing all participants. Otherwise, while discussions may be fruitful, there is no incentive to resolve the issues and to put in place an operational plan. Nor are answers necessary before the decision to proceed.

5.2.1 *Procurement Plans*

We have reported for this study that half the pipe for the Canadian portion is being manufactured by Welland Pipe in Ontario, and the other half by IPSCO in Regina. This assumes that our Canadian mills are able to produce the pipe with the required combination diameter, thickness, yield strength and toughness. If the requirements are such that the pipe needs to be purchased abroad (most likely in Japan), much of the indirect impact in manufacturing in the ROC will "leak" to imports.

The compressors for the Canadian portion have been assumed to come from aircraft plants in Quebec. Again, other procurement patterns are possible.

An early step will be to pin down the actual suppliers of the major inputs. This should be done for the whole pipeline, not just the Canadian portion. I suspect that we will find Canadian producers able to produce some parts for the entire pipeline, and other parts being supplied by foreign producers or US suppliers.

The most crucial aspect of the procurement plan is that it results in dependable supply at low cost. The long-term viability of the pipeline depends on it being a cost-effective transportation option for natural gas from Alaska to the lower 48.

5.2.2 *ROW use*

The pipeline construction will clear a right-of-way (ROW) during construction and restore it upon completion, leaving a long strip of open space parallel to the Alaska Highway. The ROW will be kept clear to provide access to the pipeline in case of the need for repairs as well as to allow frequent monitoring of the pipeline path for security purposes.

Environmentalists have raised concerns about the use of the ROW by snowmobiles, the effects on the mobility of predators (e.g., wolves), and the increased accessibility provided to hikers and others during summer and winter. Those who enjoy the outdoors in all seasons see that same access as a plus. It would seem desirable to develop a ROW use plan that can address the concerns while enhancing the uses of the route.

5.2.3 *Training of Yukoners*

Lead times for training require efforts begin quickly after the "go-decision" if the employment opportunities for Yukoners are to be maximized. Yukon College appears ready to be a major contributor to this activity.

5.2.4 *Yukon business mobilization*

When the pipeline project becomes a reality, then local businesses in Yukon need to decide if they are going to participate as major suppliers. In some cases, increased investment may be required. Training of additional staff will be needed. Partnerships may need to be struck. The YTG Economic Development can help the process by extending the register of Yukon businesses, certifying certain capacities if necessary, and providing information flows to the business community about the pipeline project and possible business opportunities.

5.2.5 *Federal-territorial Agreements*

Although existing agreements result in balancing revenue and normal expenditures, it is likely that the gas pipeline will require major efforts and new responsibilities for the Government of Yukon. In some cases, additional capacities may need to be developed within the territorial government. Timely development of intergovernmental agreements can avoid any adverse effects on the critical path of the project.

5.2.6 *Agreements with Alaska*

It will be necessary to put in place agreements between Alaska and Yukon, perhaps with additional Canada-US agreements to enable them. A number of practical areas will need clarification and direction.

Movements of people - One source of labour we have not tapped could be found in Alaska, which would increase the amount of "leakage" outside the region. At the same time, Yukoners could also work in Alaska during the construction period. First Nation Yukoners are especially well placed to take advantage of employment opportunities in Alaska because of the provisions of Jay's Treaty.

Movements of goods and services – The logistics of pipeline construction are likely to require the movement of goods and services through the ports and highway system in both countries. It would seem reasonable to put in place some mechanisms to minimize the disruptions in crossing borders for these goods and services.

Supply Contracts – It is likely that the impacts of the pipeline construction will exceed the combined capacity of Yukon, Northern BC, and Alaska to supply the needs of the pipeline. In other words, there will be more than enough business for everyone. The key is to make that business flow smoothly throughout the combined region, allowing for efficient operations wherever possible. Some agreement to foster a cooperative approach among the governments could underpin the importance of developing a smooth business approach to supplying the needs of the construction sector.

Coordination of Regulatory Aspects – There will be opportunities to coordinate the regulation of construction and operations of the pipeline across jurisdictions. An early effort to put in place a framework is likely to pay dividends to everyone.

Information Flows – One obvious area for cooperation is in exchanging information about the pipeline construction among all interested parties, including the territorial and state governments, First Nation governments, local governments, federal departments, pipeline operations, construction firms, major suppliers, etc. The existence of the Internet should enable a major innovation in this area with many benefits to all participants.

6 The Alaska Highway Pipeline Project– Will the Project Proceed?

From a Yukon perspective the AHPP widens many choices for Yukoners. These include broadened fuel choices, employment opportunities in many different sectors, improved costs for mineral developments, and a delivery option if Yukon gas supplies are developed. At the time of construction Yukoners will have to cope with a large influx of transient workers, crowding of some facilities, inevitable turmoil in local labour markets, and increased local traffic. But the positive impacts would seem to outweigh the negatives, at least in aggregate. Can these impacts be managed?

Once the operations phase is in place, the pipeline is likely to be almost invisible. There will be a few additional jobs, enhanced territorial revenue, and natural gas availability, resulting in lower energy costs.

The AHPP appears ready to go…if the US is ready to use Alaska gas as part of their energy supply. We are moving to a North American gas market, with a supply pool that includes Canadian supplies along with US supplies. At some point Mexican supplies may also be joined into the pool. Withdrawals from the pool can occur anywhere as well. Eastern Canada and the US, Mexico, Alberta, BC, California. All that is required is that a user be hooked up to a gas pipeline that in turn is connected to part of the pool. Swaps throughout the system can effectively move gas from Alberta to Florida, without requiring the physical movement of the gas. Indeed, it is conceivable that even if the person is not hooked up directly to the network that a trade can be accomplished that reflects a "virtual hook-up" to the pool.

Is the pool ready to absorb another 4 bcfd of natural gas from Alaska? What is the expected price at the Alberta border with BC? The proponents of the AHPP must then decide if the risk-reward balance is sufficient to proceed. Governments along the way need to make their regimes clear so that the calculations can be made.

The Alaska Highway Pipeline Project is particularly interesting in that much of the gas field development has already occurred in the past. Governments have studied the route, the regulatory framework, and other aspects. The lower end of the pipeline has been "pre-built" in the 1980s and 1990s, with capacity to deliver the gas into the US marketplace. The key questions to be answered: Are there better options available for US consumers? Are there better options for North Slope producers? These remain the tough questions that must be answered before construction can start.

Appendix A – Details of AHPP (from Working Paper 5.1.1)

Table 1: Profile of the Alaska Highway Pipeline Project over Time and by Region (Cdn$millions)

	Total	Profile of Capital Expenditure									
		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Alaska Segment	**$ 6,627**	**$ 111**	**$ 131**	**$ 508**	**$ 1,540**	**$ 2,091**	**$ 1,085**	**$ 343**	**$ 340**	**$ 272**	**$ 137**
Canada Segment[1]	**$ 6,990**	**$ 149**	**$ 178**	**$ 622**	**$ 1,676**	**$ 1,973**	**$ 1,053**	**$ 395**	**$ 393**	**$ 314**	**$ 158**
Yukon Segment	$ 3,369	$ -	$ -	$ 238	$ 833	$ 1,004	$ 536	$ 223	$ 222	$ 178	$ 89
British Columbia Segment	$ 2,638	$ -	$ -	$ 195	$ 667	$ 786	$ 417	$ 169	$ 168	$ 134	$ 68
Alberta Segment	$ 983	$ 149	$ 178	$ 189	$ 176	$ 183	$ 100	$ 2	$ 2	$ 2	$ 1
Total Project	**$ 13,616**	**$ 260**	**$ 309**	**$ 1,131**	**$ 3,216**	**$ 4,064**	**$ 2,138**	**$ 737**	**$ 733**	**$ 586**	**$ 295**
Natural Gas Flow (Bcf/d)[2]							**2.5**	**2.8**	**3.1**	**3.4**	**3.7**

1 Canadian portion of the project is specified as the Alaska-Yukon Border to Gordondale Alberta

2 Billion cubic feet per day and this flow rate is fixed from November of current year to November of the next year

N B All dollar amounts are given in constant 2000 dollars

Table 2: Distribution of Project Capital Cost, Distance and Calculated Tariff

	Expenditure by Segment			Length of Segment			Tariff[2]			Compressors	
	Cdn$mn	US$mn[3]		miles	km		Cdn$	US$[3]		Initial	Ultimate
Alaska Segment	**$ 6,627**	**$ 4,418**	**49%**	**741**	**1,193**	**42%**	**$ 0.766**	**$ 0.511**	**49%**	**5**	**16**
Canada Segment[1]	**$ 6,990**	**$ 4,660**	**51%**	**1,005**	**1,617**	**58%**	**$ 0.805**	**$ 0.537**	**51%**	**7**	**24**
Yukon Segment	$ 3,369	$ 2,246	48%	517	832	51%	$ 0.435	$ 0.290	54%	3	10
British Columbia Segment	$ 2,638	$ 1,758	38%	448	721	45%	$ 0.348	$ 0.232	43%	4	14
Alberta Segment	$ 983	$ 655	14%	40	64	4%	$ 0.023	$ 0.015	3%	0	0
Total Project	**$ 13,616**	**$ 9,078**		**1,746**	**2,810**		**$ 1.572**	**$ 1.048**		**12**	**40**

1 Canadian portion of the project is specified as the Alaska-Yukon Border to Gordondale Alberta

2 Given in dollars per thousand cubic feet. Calculated using Cost-Benefit Framework and Operation Phase Cost of 1% of total CAPEX

3 Exchange rate is assumed to be such that $1.50 Canadian is equal to $1.00 US

N B. The remaining $622 million (US$) of the quoted $9,700 million for the Ultimate AHPP is accounted for by a 1.5 % annual escalation of prices

N B. All dollar amounts are given in constant 2000 dollars

Table 3a: Employment during Operations in Person Years [4]

	2005	2006 [2]	2007	2008	2009	2010	2011	2012	2013 [3]	2014	2015	2016
Alaska Segment	**0**	**42**	**75**	**126**	**147**	**168**	**189**	**209**	**227**	**227**	**227**	**227**
Canada Segment[1]	**0**	**68**	**113**	**190**	**222**	**254**	**286**	**318**	**345**	**345**	**345**	**345**
Yukon Segment	0	34	57	91	104	117	130	144	155	155	155	155
British Columbia Segment	0	33	54	88	107	126	145	164	180	180	180	180
Alberta Segment	0	1	3	10	10	10	10	10	10	10	10	10
Total Project	**0**	**110**	**189**	**316**	**369**	**422**	**475**	**528**	**572**	**572**	**572**	**572**

1 Canadian portion of the project is specified as the Alaska-Yukon Border to Gordondale Alberta

2 The pipeline is operational in November of 2007, but head offices are set up in 2006 (Alaska and Whitehorse)

3 Employment remains at these levels through the remainder of the impact

4 Person year is equivalent to a 35 5 hrs/week

Table 3b: Tariff Income for Transport of Pipeline Service (Cdn$)

	2005	2006 [2]	2007	2008	2009	2010	2011	2012	2013 [3]	2014	2015	2016
Alaska Segment	**0**	**0**	**117**	**713**	**797**	**881**	**965**	**1049**	**1119**	**1119**	**1119**	**1119**
Canada Segment[1]	**0**	**0**	**123**	**750**	**838**	**926**	**1014**	**1103**	**1176**	**1176**	**1176**	**1176**
Yukon Segment	0	0	66	405	452	500	547	595	635	635	635	635
British Columbia Segment	0	0	53	324	362	400	438	476	508	508	508	508
Alberta Segment	0	0	3	21	24	26	29	31	33	33	33	33
Total Project	**0**	**0**	**239**	**1463**	**1635**	**1807**	**1979**	**2152**	**2295**	**2295**	**2295**	**2295**

1 Canadian portion of the project is specified as the Alaska-Yukon Border to Gordondale Alberta

2 The pipeline is operational in November of 2007 at initial rates of 2 5 Bcf per day and increases to 4 0 Bcf per day by November 2012

3 Tariff income remains at these levels through the reminder of the impact

N B All dollar amounts are given in constant 2000 dollars

Table 3c: Specific Employment requirements for Installation; Pipeline, Compression and Meter Stations

	Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Alaska Segment	**4,568**				**381**	**1,817**	**1,763**	**179**	**179**	**143**	**72**	**36**
Canada Segment	**9,496**				**1,011**	**3,897**	**3,664**	**272**	**272**	**217**	**109**	**54**
Yukon Segment	4,578				510	2,305	1,377	114	114	91	46	23
British Columbia Segment	4,309				501	1,396	1,875	158	158	126	63	32
Alberta Segment	609					197	412					
Total Project	**14,065**				**1,392**	**5,714**	**5,427**	**451**	**451**	**361**	**180**	**90**

N B Does **not** include employment required for the mobilization of the pipe compressors and metering equipment to the stockpile sites
This estimate does **not** include employment from project management engineering and construction management

Appendix B: Full Occupational Detail: Yukon (from 7.4.1)

YUKON	Scenario 1			Scenario 2			Scenario 1			Scenario 2		
	2002-07	2008-12	2013-25	2002-07	2008-12	2013-25	2002-07	2008-12	2013-25	2002-07	2008-12	2013-25
	Average Impact			Average Impact			Average Percentage Impact			Average Percentage Impact		
TOTAL	**2609**	**762**	**1007**	**3271**	**1698**	**1527**	**20.3**	**5.9**	**7.8**	**25.5**	**13.0**	**11.9**
MANAGERIAL, ADMINISTRATIVE & RELATED	286	89	135	366	174	106	15.9	4.9	7.5	20.4	9.6	5.9
NATURAL SCIENCES, ENGINEERING & MATHEMATICS	114	48	83	132	27	-51	18.0	7.4	12.7	20.8	4.1	-7.8
OCCUPATIONS IN SOCIAL SCIENCES & RELATED	34	6	14	40	-2	-27	8.8	1.6	3.5	10.4	-0.5	-6.6
RELIGION	0	0	0	0	0	0	2.4	1.0	1.9	3.8	2.8	2.5
TEACHING & RELATED	3	3	4	4	4	2	0.4	0.4	0.6	0.6	0.6	0.3
MEDICINE & HEALTH	5	5	7	9	13	16	1.4	1.3	2.1	2.8	3.7	4.8
ARTISTIC, LITERARY, RECREATIONAL & RELATED	21	6	18	36	21	5	13.8	3.9	11.3	23.8	13.5	3.5
CLERICAL & RELATED	320	123	181	432	262	203	13.9	5.3	7.9	18.8	11.4	8.9
SALES	95	77	117	199	273	357	11.0	9.2	14.9	23.1	32.7	45.5
SERVICE	198	86	173	370	362	407	9.4	4.2	8.7	17.6	17.8	20.5
FARMING, HORTICULTURAL & ANIMAL HUSBANDRY	67	9	5	70	15	10	46.7	6.2	3.5	49.1	9.7	7.0
FISHING, TRAPPING & RELATED	0	0	0	0	0	0	0.4	0.1	0.0	0.5	0.4	0.1
FORESTRY & LOGGING	2	0	0	3	1	0	11.3	1.6	1.0	12.0	2.4	1.4
MINING & QUARRYING INCLUDING OIL & GAS FIELD	9	5	6	9	5	5	4.4	2.7	4.0	4.6	2.7	3.5
PROCESSING	16	9	13	26	27	34	12.8	7.3	11.1	20.5	21.3	28.7
MACHINING & RELATED	52	10	8	55	13	10	40.5	7.1	5.8	42.9	9.5	7.1
PRODUCT FABRICATING, ASSEMBLING & REPAIRING	118	48	58	157	119	135	23.9	9.5	11.7	31.8	23.7	27.4
CONSTRUCTION TRADES	1091	150	77	1128	206	129	77.5	9.7	4.8	80.1	13.2	8.1
TRANSPORT EQUIPMENT OPERATING	76	39	44	104	94	101	11.6	5.9	6.6	15.8	14.1	15.0
MATERIAL HANDLING & RELATED, N.E.C.	23	9	12	31	22	22	18.5	7.3	9.7	24.7	17.2	17.7
OTHER CRAFTS & EQUIPMENT OPERATING	25	23	33	38	38	40	23.7	20.7	30.1	35.3	34.3	36.9
OCCUPATIONS NEC	55	17	19	63	27	21	25.7	7.4	8.6	29.3	12.0	9.6

Totals are slightly different from Yukon Model results due to rounding in Occupational Model.

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2	**Working Paper No. 3.1.2:** Key Assumptions for Macroeconomic Study - March 2002
3	**Working Paper No. 3.2.1:** Ancillary Spending - March 2002
4	**Working Paper No. 4.1.1:** Development of Canadian Gas Fields in Yukon and BC- March 2002
5	**Working Papers No. 4.2.1:** Pipe Dreams: Post-pipeline Development Impacts - March 2002
6	**Working Paper No. 4.4.1:** US Energy Demand and Policies through 2020 - March 2002
7	**Working Paper No. 5.1.1:** Direct Effects of the Alaska Highway Pipeline Project - March 2002
8	**Working Paper No. 6.1.1:** National Impact of Alaska Highway Pipeline Project - March 2002
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10	**Working Paper No. 7.1.1:** Provincial Impacts of Alaska Highway Pipeline Project - March 2002
11	**Working Paper No. 7.1.2:** The Impacts of the AHPP on the Yukon Economy - March 2002
12	**Working Paper no. 7.2.1:** Interprovincial Input-Output Analysis of the Alaska Highway Pipeline Project - March 2002
13	**Working Paper No. 7.2.3:** Assessment of Economic Impacts using the Local Area Model (LAM) - March 2002
14	**Working Paper No. 7.2.5:** Government Revenue and Expenditure Model: Yukon - March 2002
15	**Working Paper No. 7.2.7:** Alaska Highway Pipeline Project and Union Linkages - March 2002
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17	**Working Paper No. 7.4.1:** Human Resource Dimensions of the Alaska Highway Pipeline Project: Yukon - March 2002
18	**Working Paper No. 7.6:** Alaska Highway Gas Pipeline and First Nations: Linkages - March 2002
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Canadian Macroeconomic Base Case Scenario

Working Paper No. 3.1.1

March 2002

Charles Saunders

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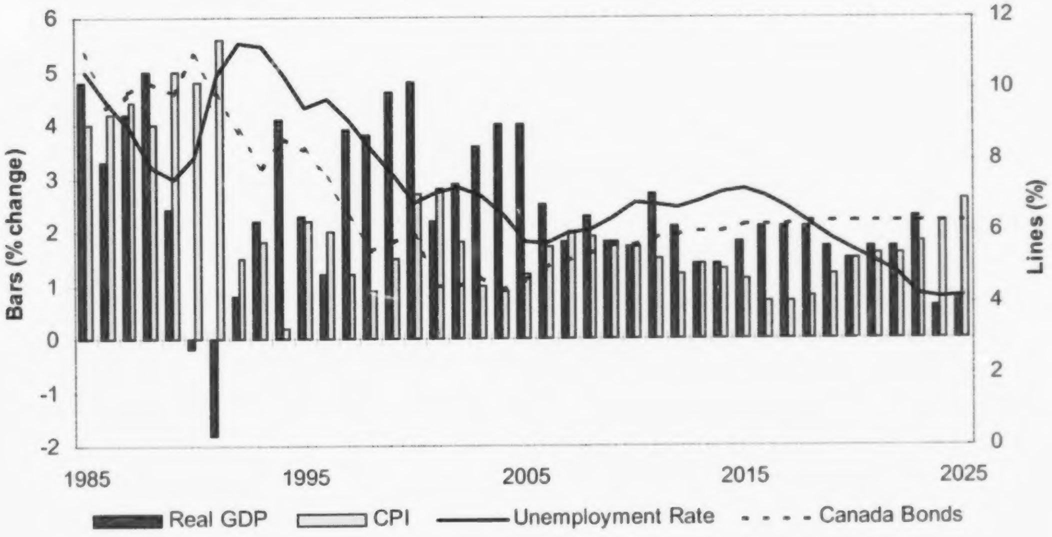
Canadian Macroeconomic Base Case Scenario

Introduction

The long view of the Canadian economy shows a slow erosion of growth. The only business cycle incorporated into this case is the near recession this year followed by "recovery" growth over the next couple of years. Over time, the largest challenge is generating labour supply sufficient to keep up with increasing employment, even though year-to-year additions to employment slow. The challenge of keeping the unemployment rate at lower levels, than experienced by much of the last generation, is eased. Despite sustained low levels of unemployment, the case presents no inflationary difficulty.

Figure 1: The Macroeconomic Long View



The challenge of keeping "real" borrowing costs at levels that are not too far from the growth of the economy is significantly eased in the first half of this decade (a "benefit" of the current slowing). In the longer term, however, relatively high real interest rates reemerge under the assumption that they have "pride of place" in determining year-to-year macro performance and are targeted principally on keeping inflation "under control".

The aging of the population, immigration levels, and influences of participation rates slow the growth of the labour force over time. The absence of business cycles to cause fluctuations in the pool of discouraged workers also prevents fluctuations in the labour force over the projection period. Growth of productivity may be a compensating offset to slow labour force growth and the erosion of GDP growth, but would likely require a stronger substitution of capital for labour (capital deepening) than the last generation, and acceleration of "residual or trend" sources of productivity growth (i.e. technological or knowledge-based).

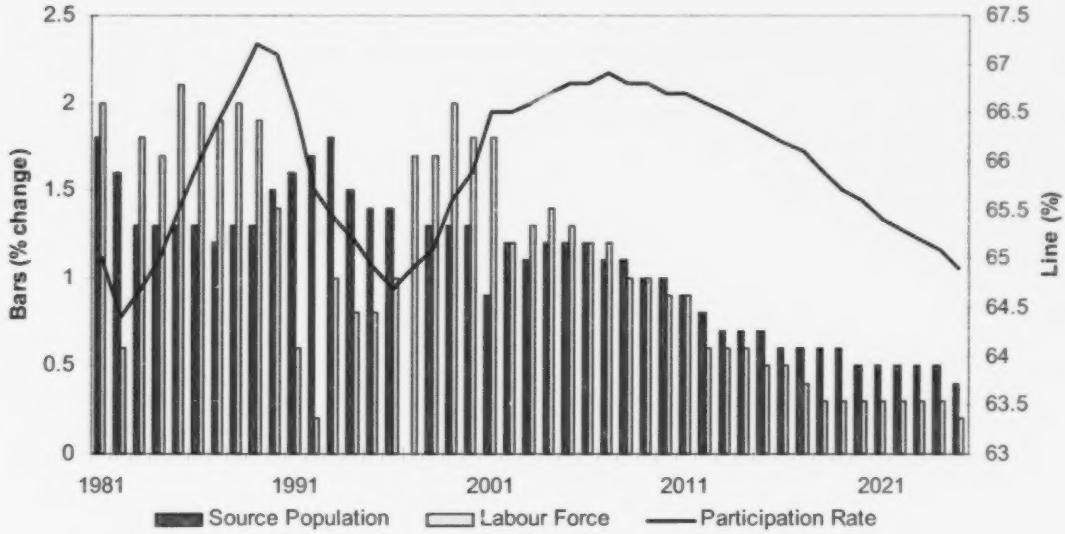
Demographics and Labour Supply

This base case shows the pace at which the source population for the labour force is expanding is unchanged through the first half of this decade (2000-2010), but then slows dramatically in the following decade, to a pace that is less than one-half of what we are now experiencing.

Immigration is crucial to this outcome. We have assumed that in-migration is 250,000 per year from 2001 forward, a higher figure than in recent years (Statistics Canada's "middle" case is at 225,000).[1] Out-migration is set to 30 per cent of in-migration or 76,000 per year. Net migration is a dominating influence, being equivalent currently to 65 per cent of the change in the population, with this rising to 75 per cent by 2010, and to 120 per cent by 2025. That is, in later years of the projection, if there were no immigration, the size of the population would shrink. We assume that as a long-run property, immigrants have the same propensity to participate in the labour force, as do those already in Canada. We also assume that the age and gender distribution of immigrants is close to the average of recent years, and that this approximately matches the current distribution of the Canadian population. Accordingly, the contribution of immigrants to the change in the source population for the labour force is close to that of the population as a whole.

Overall, we expect the aggregate participation rate will change little, or may increase slightly through the current decade. However, as baby boomers move into retirement years a precipitous decline in the participation rate emerges.

Figure 2: Labour Force Aggregates



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[1] Near term expectations for 2002 are between 210,000 and 235,000, but actual immigration has ranged around 90 per cent of expected levels. Recent evens of September 11th have lead to tighter border controls, which may result in actual immigration falling even lower than 90 per cent.

Putting some "flesh" on the labour force change, note that with very rapid recovery growth in the last couple of years, we needed to add 300,000 to the labour force annually. With moderate growth in the near term, we should be adding about 200,000 annually. In this projection, we are adding only 100,000 early in the next decade, and in the last five years of the projection, that has again been cut in half, to less than 50,000. Although there is no labour shortage, negative or zero unemployment rate, there is significant tightening to under 5 per cent by 2022.

In this decade, the baby boomers are already entering early retirement years (55-64), with annual changes in that age group increasing at a pace of 4 per cent. That pace slows in the next decade, and eventually, the number of those in this age group declines.

But in 2010 to 2020, the baby boomers will move into an age (over 65) when public and private pension and transfer systems (OAS/GIS) provide income support.

In that second decade, the age group that should be "feeding" new entrants into the labour force is falling. In short, underlying demographics point to two powerful forces for a sharp reduction in growth of the labour force toward the end of this decade: a sharply increasing population at ages where participation rates are lower, and a decline in the number of new entrants. Some easing of these constraints begins to emerge after 2020 as youth source populations begin to expand again.

Rapid growth of those aged 70 or more begins at the end of this decade and becomes pronounced at about the middle of the next. People in this age group are unlikely to have a major impact on growth of the labour force, but you may also take this as indicative of when rapidly accelerating growth of the demand for health and eldercare services hits with full force.

Output and Employment

Following a weak 2001, industries that are tied directly and indirectly (e.g., business-related services) to foreign trade prospects recover with relatively strong growth through mid-decade, as US growth rebounds from its "near-death" experience of 2001.[2] Industries tied to the expansion of household incomes also grow at a relatively robust pace, and are little affected by the US slowdown in 2001. Finally, we have taken the view that provincial government promises of "reinvestment" in health care and other social services will be honoured in the medium term.

From about the middle of this decade, we expect slowing "at potential" growth will emerge, affecting almost all sectors. We are expecting the deceleration in such growth will be least pronounced in social services, where from about the mid-point of the next decade, demand for health care should begin to accelerate sharply.

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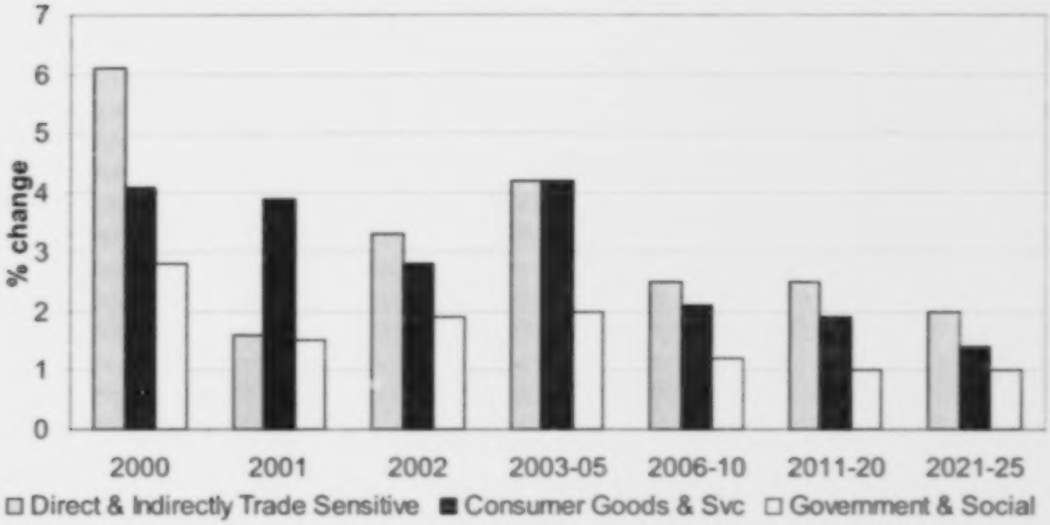
[2] Directly and Indirectly Trade Sensitive Sector includes resource based, business services, durable and investment goods, specifically mining, agriculture, construction, finance and transportation industries.
Consumer Goods and Services Sector includes accommodation and food, wholesale trade, retail trade, clothing, and personal service industries.
Government and Social Sector includes Federal, Provincial, and Local governments, also health, education and social services.

Figure 3: GDP by Major Sector



In the period through 2005, with the exception of 2001, we expect broadly based increases in the demand for labour across all sectors in the economy. Following that, the scenario reports relatively small increases in annual overall employment (measured on an establishment basis). What is likely to distinguish this from conventional wisdom is the relatively small additions to employment provided by industries supplying consumers. Technically, this arises from slow growth of consumer spending (rising saving rates) and from accelerated labour productivity gains in this sector. The clear policy challenge posed by this is how to generate productivity gains in the consumer goods and service sector, historically productivity growth in this sector has been meagre, a question that has received little focus in government budget and other planning documents. The presumed "relief valve" to this point appears to have been immigration. But immigrants push up consumption demand as well as provide an increment to labour supply.

The Informetrica Model's structure indicates that there are cyclical effects on productivity. Thus, with recovery type growth through the middle of this decade, accelerated productivity growth is common to most sectors in the economy. For this discussion, we focus on the period of steady, or eroding, growth after mid decade.

We summarize our view by focusing on output per employee. In estimating overall changes to labour productivity, the technical challenge is quite straightforward. As demand shifts from goods to service industries, the effect is to shift production from industries with high productivity levels to those with relatively low productivity levels. One means of compensating for this is to accelerate the growth of productivity in those service industries with low levels. A dilemma is apparent by the fact that these industries have little record of sustaining rapid productivity growth.

Table 1: GDP at Factor Cost

Millions of 1986 Dollars

	2000	2001	2002	2003-05	2006-10	2011-20	2021-25
		Average Annual Rates of Growth					
Total	5	2.2	2.9	3.9	2.2	2.2	1.7
Direct & Indirectly Trade Sensitive	6.1	1.6	3.3	4.2	2.5	2.5	2
Resource-Based Goods	2.4	0.7	3.6	4.9	2.2	2.1	1.5
of which: Agriculture & Food	-1.7	-3.8	3.7	6.1	1.3	1.5	0.8
Other	3.5	1.9	3.6	4.6	2.4	2.2	1.7
Durable and Investment Sensitive	12.3	0.8	3.1	3.6	2.9	3.2	2.6
of which: Construction & Related	-0.9	-1.4	1.5	2.6	1.8	1.6	1.6
Other	21.8	2.1	4	4.2	3.5	3.9	3
Business-Related Services	6	2.9	3.1	4	2.5	2.5	2
of which: Financial Institutions	5.1	2.2	1.8	2.7	1.2	1.1	0.3
Other	6.4	3.2	3.8	4.6	3.1	3.1	2.6
Sensitive to Domestic Spending	3.6	3	2.5	3.5	1.8	1.6	1.3
Consumer Goods and Services	4.1	3.9	2.8	4.2	2.1	1.9	1.4
of which: Imputed Rent	2.7	2.7	2.8	2.7	2.2	2	1.7
Other	4.6	4.2	2.8	4.7	2.1	1.8	1.3
Government & Social Services	2.8	1.5	1.9	2	1.2	1	1
of which: Health & Education	3.4	0.2	2.2	2.5	1.3	1.1	1.1
Government	1.7	3.7	1.3	1.1	1	0.8	0.8

With relatively high world and continental energy prices, expansion of the energy sector is likely and in large degree a seminal characteristic of the outlook. But resource economics suggest that new projects will be more "marginal" than the previous ones. There have been some significant productivity improvements, specifically directional drilling and 3-D modelling, which have led to productivity gains and pushed the margin to encompass formerly marginal projects. Thus, despite considerable capital deepening, we report relatively modest productivity gains for this sector.

The "revolution" ostensibly being wrought by changes to communications and computer technology has tended to be manifest in several industries (manufacture of electronic products and components, telecommunications, the "retail" part of financial intermediation, and lately, wholesale and retail trade ("e-commerce")). As a general setting, the scenario is constructed around the notion that relatively strong productivity gains will continue to be registered in these industries. The notable exception to this view is for financial institutions in the years after 2020. In this instance, we have dampened investment spending indicated by the quick turnover of equipment, so that capital deepening is weakened with adverse consequences for productivity growth. This is consistent with a view that such gains (attributable to the Internet's widening of markets) are "one time" in nature and will end at some point. Alternatively, spending increases could continue to grow rapidly for an indefinite period. Given constraints for the domestic industry to expand, we would expect that most of the increment in spending would be satisfied from imports, increasing the significance of negative net exports on demand.

Table 2: Employment, Establishment Basis

Thousands, Annual Change

	2000	2001	2002	2003-05	2006-10	2011-20	2021-25
				Average			
Total	267	221	159	290	135	112	100
Direct & Indirectly Trade Sensitive	163	90	43	110	83	74	76
Resource-Based Goods	-5	-49	5	26	15	12	3
of which: Agriculture & Food	-46	-29	-3	3	2	2	2
Other	41	-19	8	23	14	10	1
Durable and Investment Sensitive	88	52	2	38	33	43	45
of which: Construction & Related	41	56	7	22	23	24	18
Other	48	-3	-5	16	9	19	27
Business-Related Services	81	87	36	46	35	19	29
of which: Financial Institutions	4	14	-1	-2	-16	-5	4
Other	40	31	29	24	12	-5	11
Sensitive to Domestic Spending	104	130	115	181	51	38	23
Consumer Goods and Services	113	139	62	127	24	21	5
Government & Social Services	-9	-9	53	54	28	18	18
of which: Health & Education	-6	-11	41	49	23	13	14
Government	-3	2	12	5	5	5	4

There are four main "low" productivity sectors; construction and related activities, general services to business, other consumer goods and services, and health and social services. Annual increases in these sectors are generally higher than in the past, but the scale of increases is modest (certainly by comparison to the increases reported in previously discussed "revolution" sectors).

We have generally maintained a view of no change to productivity in the construction industry, partly on the grounds that this is the long-run record, but also because institutional arrangements for financing human-resource development in this sector have been "weak" for at least a decade, and under current labour market policies are unlikely to be "fixed".[3] This does produce higher costs of investing in structures than would be the case if productivity were advancing. There is some upside "risk" that gains could be stronger than we report.

General services to business includes the software industry that produces products ("boxes"), applications support, the professions and advertising. Although a sector that has rapidly adopted new communications and computer technology, including those who advise others about how to use this technology, there is little evidence in Canada (or the US) that productivity in this industry is advancing quickly. A slower pace is the main "risk" for productivity gains in this sector than we report.

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[3] Sharpe examines the construction industry's productivity growth over the 1990's versus the history from 1961 (www.csls.ca/ipm3/sharpe-e.pdf). Sharpe finds that productivity in the construction industry does not gain from capital or human-capital deepening like other industries, further the technologies used to build structures in the most recent decade has not changed significantly from the 1980's.

The other consumer goods and products sector is dominated by production of personal services (or for goods, by manufacture of leather goods, clothing, etc.). In the services industry, these are mainly person-to-person services, and it is not immediately clear how increases in productivity can be accelerated by capital deepening or by changes in organization.

Concern about population aging as a major stimulus to the demand for health care is widely recognized, and often dominates discussions about aging. Governments at the federal and provincial levels have seized on the need to accelerate productivity growth in this area with funding for research and development and use of communications and computer technology. There is some prospect that the biotechnology revolution will have major impacts. It also needs to be recognized that many of the resources classified to health and social services are allocated to the care of the disabled and "senior" elders. There is a strong person-to-person attribute of service delivery and it is unclear how the new technologies can accelerate measured productivity in this area. Notwithstanding this, we have assumed there are some benefits. (Note however, that if capital service is accounted for, then growth of the TFP in this sector may not accelerate.)

In the next decade, the government and social sector should constitute about one-third of total employment, but as much as two-thirds of the change to employment, which in total will be expanding at increasingly slow rates. Thus, for overall productivity growth to be sustained, rapid productivity growth in these industries will be critical.

Inflation and Interest Rates

A central long-run feature of this outlook is that inflation is contained over both the medium and longer term with some pressures emerging in later years as the unemployment rate nears 4 per cent. Notable features include accelerating growth of unit capital costs to sustain the high levels of investment needed for capital deepening, the slow growth of import prices, attributable to a steady appreciation of the Canadian dollar (1.5 per cent annually over the projection period), falling relative prices of imported high-technology equipment and moderate growth of inflation in the US.

We have assumed that the recent narrowing of Canadian and US rates at the short end is sustained indefinitely into the future, but that there is some "premium" at the longer end (difficulties of keeping the Canadian federation whole).

In the medium term, relatively low interest rates are sustained to "re-ignite" growth in North America. In the longer run, higher interest rates are a primary instrument used to keep the economy growing "at potential" without "undue" inflationary pressures.

Table 3: Principal Inflation Indicators and Interest Rates

	2000	2001	2002	2003-05	2006-10	2011-20	2021-25
	Average Annual Rates of Growth						
Inflation							
GDP Deflator	4.3	3.9	1.5	1.3	2	1.3	2.3
Consumer Price Index	2.7	2.8	1.8	1	1.8	1.1	1.9
CPI, United States	3.4	3.0	2.1	3.1	3.1	-	-
Labour Income per Employee	3.9	3.1	3.3	2.2	2.1	2.1	3.4
Unit Labour Costs	1.6	2.3	1.4	0.2	0.7	0.6	2.2
Business Unit Capital Costs (1)	3.7	2.7	2.1	2.1	3.2	2.3	2.8
Indirect Taxes less Subsidies (a) (per cent of GDP)	11.5	11.5	11.3	11	10.5	9.7	9
Import Prices, Goods & Services	0.5	3.5	0.5	1	0.7	0.5	0.4
Interest Rates							
90-day Commercial Paper (a)	5.7	5.1	4.9	5	6.1	6.8	6.8
AAA Corporate Bonds (a)	7.1	7.1	7.2	7.2	8.2	9.1	9.4
10-Year Government Bonds (a)	5.9	4.5	4.5	4.5	5.4	6.1	6.3
on "Real" Basis (a)	4.3	2.6	2.4	2.2	3.6	4.7	4.5

(a) Average
(1) Include Unincorporated Income

Government Balances

Balances at all levels of government stay in surplus over the projection with substantial increases occurring as we move out to 2025. By the last five years of the outlook, federal government assets exceed liabilities and the debt to GDP ratio, estimated at just under 40 per cent in 2000, becomes a negative number in 2024 and 2025. This is also the case at the provincial-local-hospital level. Other scenarios are possible, with debt reduction becoming politically less important.

Announced federal personal tax cuts are included in this scenario dampening increases in the federal surplus through the medium term. We have also included a 5 per cent annual drop in the EI contribution rate through 2005, after which we assume a 2.8 per cent annual decline. We have not assumed any further reductions after this. We have assumed real increases in spending per school enrollee and in spending per patient in the health system. We have a slow decline in per capita spending occurring at all levels of government for administration of programs, reflecting improved efficiencies in public administration and increased use of computers. With governments holding a tighter fiscal rein on expenditures, the debt and balance positions are enhanced as the projection progresses through significant gains from lower interest payments on net debt loads.

Table 4: Public Sector Balances, National Accounts Basis

(per cent of GDP)

	2000	2001	2002	2003-05	2006-10	2011-20	2021-25
				Average			
All-Government & CPP/QPP							
Balance	4.4	6.2	5.8	3.5	3.6	6.6	9.7
Primary Balance	1.6	0.1	-1.6	-1.9	-2.1	-2.7	-3.1
Net Debt-to-GDP Ratio	48.8	40.8	32.9	22.8	8.2	-12.8	-26.3
Federal							
Balance	3	4.2	3.7	0.9	0.2	1.9	4.1
Primary Balance	2.5	2	0.7	0.4	0.5	0.3	-0.3
Net Debt-to-GDP Ratio	37.9	31.3	26	21.1	18.5	12.2	0.5
CPP/QPP							
Balance	0.3	0.5	0.7	0.8	1	0.9	0.8
Primary Balance	-0.1	0.1	0.3	0.5	0.5	0.2	-0.1
Asset Ratio to GDP	4.9	5.1	5.5	6.6	9	13.2	16.1
Provincial, Local,Hosp itals							
Balance	1.1	1.5	1.5	1.8	2.4	3.8	4.8
Primary	-0.5	-1.6	-2	-2	-2.1	-2.3	-1.9
Net Debt-to-GDP Ratio	15.8	14.5	12.5	8.3	-1.4	-11.8	-10.7

Key Assumptions for Macroeconomic Study

Working Paper No. 3.1.2

March 2002

Mike McCracken
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Informetrica
Limited

Key Assumptions for Macroeconomic Study

Introduction

This paper will articulate some key assumptions for the Macroeconomic Impact of the Alaska Natural Gas Transportation System (ANGTS, or more recently Alaska Highway Pipeline Project AHPP) on the Canadian and Provincial economies. These key assumptions are used to isolate the effects of a given capital project on the economy free from policy influences.

Monetary Policy

Nominal interest and exchange rates are unchanged from the base case[1]. Nominal spreads between long-term and short-term interest rates are also unchanged from the base case. This essentially keeps the monetary policy of Canada fixed over the impact period. The impact on consumer prices and unemployment, at the national level, would not be significant enough to warrant intervention by the Bank of Canada.

Fiscal Policy

General Government Policy

Scenario 1: Federal Government retains all gains or losses to the federal balance.
It is expected that there are no changes to the tax rates or real spending per capita by the governments from the base case scenario. The federal government will continue with the promised tax-cuts of about $100 billion by 2005, but no further cuts are expected in the base case. This is also the case for this impact study. Real spending per capita by the governments will remain the same, such that government services, like education and health care, in real terms will not be influenced by the ANGTS impact.

Scenario 2: Federal Government recycles gains or losses to the federal balance.
Federal business tax revenue is kept equal to the base case by either reducing or increasing the business tax rate. Likewise, federal personal tax revenue is kept equal to the base case through adjustments in the personal tax rate. This will increase the induced effects of increased disposable income on consumption. The Informetrica Model links provincial personal tax revenue to the federal personal tax revenue, which will result in a reduction of provincial personal tax revenue and further reduce gains in the balances by all levels of government.

Employment Insurance

Employment Insurance benefits are sensitive to total unemployment. Reduced unemployment reduces the EI benefits payout, which in turn reduces government expenditure. Decreasing the EI contribution rate on employee income, which reduces employer's total contributions, offsets these decreased expenditures.

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[1] The base case scenario is presented in working paper 3.1x Base Case Economy.

In the first scenario, EI contribution rate is fixed to the base case causing the federal balance to increase. In the second scenario, EI contribution rate is free to fluctuate with rising and falling employment in an attempt to keep the total effect on the federal balance at approximately zero. The fluctuating EI contribution rate has the effect of increasing personal income and thereby positively influencing the induced effects on the economy.

US Economy

A changing US economy would have far-reaching effects on Canada as a whole, which would distort the effects coming from the Canadian segment of the ANGTS. This would result in industry outcomes that could be coming from either an expanded US economy or from the ANGTS directly. Consequently, the US economy will remain the same as the base case.

The relative size of the project versus the total US economy gives another reason for a stable base for the US economy. The overall effect of the ANGTS on the Canadian Economy is expected to be small - around a tenth of a per cent. The US portion of the ANGTS impact with expansion of existing pipelines in the lower 48 states is anticipated to be smaller than the total Canadian impact, combined with a US economy that is approximately 10 times the size of Canada's leads to almost insignificant effects on the US economy. Individual state effects would be significant, in particular Alaska and expansion states like North Dakota, Minnesota, Iowa, but this would not be captured in the impact.

Monetary and fiscal policy, interest rates and exchange rate are unchanged from the base case for the same reasons as given for Canada.

The natural gas that will be coming down the ANGTS is expected to fill the rising demand and is not expected to crowd out any current suppliers so as to reduce the price of natural gas.[2] Likewise, the Alaskan natural gas is not expected to replace enough of other energy sources so other energy source prices are unchanged. Specifically there is no change in the world oil price during the impact period as a result of the ANGTS project.

The estimated effect on wellhead price of natural gas by the EIA is US$0.20 reduction per trillion cubic feet per year of increased production.[3] However, the main source of increased demand for natural gas is to use a fuel source with lower CO_2 emissions to generate electricity. This same study found that when reduction of CO_2 emissions was source of increased demand for natural gas, the price increased by US$0.27 per trillion cubic feet per year. The effect of the 1.4 trillion cubic feet per year of Alaskan natural gas should reduce the wellhead price by US$0.30 per thousand cubic feet but CO_2 emission policy would increase the price by US$0.40 per thousand cubic feet; such that the net effect on the price would be an increase of US$0.10 per thousand cubic feet. Regional natural gas prices would vary along the pipeline route from Alaska to Alberta. The effect on Alberta and British Columbia would be ambiguous due to US energy policy, and variations in Alaska and Yukon could only be speculative given that natural gas is not distributed in these regions at this time. A natural gas price that is fixed to the base will avoid perturbations in each of the scenarios.

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[2] 4.1.1 US Energy Projections.doc, Working paper 4.1.1, Informetrica Ltd, 2002.

[3] Energy Plug: US Natural Gas Markets: Mid-Term Prospects for Natural Gas Supply, Energy Information Administration, 2001.

Ancillary Spending

Working Paper No. 3.2.1

March 2002

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Ancillary Spending

1 Ancillary Spending

Ancillary spending is investment within the territory that is required to facilitate pipeline construction, but is not directly related to the pipeline. For example, infrastructure improvements that would otherwise not occur are ancillary expenditures. Increases in the frequency of road resurfacing, extra regulatory and permit allocation costs, and possible upgrades or increased maintenance costs to solid waste facilities before and during pipeline construction are ancillary expenditures. Other possible ancillary expenditures include post-secondary education, training and human capital development (all are discussed in Working Paper 7.4.1), road and highway maintenance, water treatment, waste management, air transportation, rail transportation, port development, schools, health services and jails. Also included with ancillary expenditures is the need, upon completion of the pipeline, to repair existing facilities and infrastructure that were used more intensively during construction. This will provide employment for a variety of skilled people, such as engineers and trades people, and will help ease the post-pipeline bust.

Other developments that may happen with the construction of an Alaska Highway Pipeline, but are not dependent on the construction of the pipeline, include gas field and mining development. This also includes such developments as local gas distribution, electricity development and other potential developments. Possible activities within the territorial energy sector are discussed in working papers 4.1.1 "Development of gas fields in Yukon and BC", and 4.2.1 "Pipe dreams: post-pipeline development impacts".

Land development is not included as ancillary spending because that required for assisting pipeline construction has been included with direct effects and capital spending. Local land developments such as the servicing of residential and commercial lots are discussed in working paper 4.2.1, which discusses post-pipeline development impacts.

1.1 Roads and Highways

The volume of heavy traffic will increase substantially along all roads used to access the pipeline construction site. This pipeline-related heavy traffic induces an ancillary effect because of an increase in the need for highway resurfacing along the pipeline route. Surface life during the construction phase of the pipeline is expected to be 4-5 years, about half the normal highway surface life.[1] The Yukon government expects highway maintenance costs to increase by $1.7 million per year during pipeline construction and to continue at this level for several years after construction as repairs to road surfaces are undertaken. Also considered with this estimate of increased costs are potential employee losses to higher-paying pipeline jobs and an increase in the standard of winter highway maintenance. In order to ease the transition from the pipeline boom, reconstruction of highways and bridges could intensify upon completion of pipeline construction in the Yukon.

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[1] All transportation information was provided by R. Walsh, and detailed information was from an internal Community and Transportation Services paper titled "C&TS Pipeline Preparedness," July 2001.

Alaska Highway upgrades that would facilitate construction of a natural gas pipeline have neared completion in the Yukon. Further upgrades to the highway from Mendenhall to Haines Junction will be completed before pipeline construction, including bridge strengthening along the Haines and South Klondike supply routes. Improvements to the Tagish Road, which provides a shorter route from Carcross to points south of Jake's Corner, might also be considered. Also, if by 2003 the US government approves additional Shakwak Project funding, remaining reconstruction and bridge upgrading along the North Alaska Highway could be almost completed prior to pipeline construction.

With the greater volume of traffic due to pipeline construction, there will be increased demands on the administration and regulation of highway permits and inspection of trucks along the supply route, as well as the provision of construction signs and permits. To facilitate the processing of permits and other increased regulatory workload, extra expenditure, ranging from $100,000 to $500,000 per year, would be required by Community and Transportation Services.

Other administrative concerns include a possible labour shortage and increase in the rate of labour turnover during pipeline construction. Heavy equipment operators employed by the territory's highway department may find better paying jobs on the pipeline. Also, with a labour shortage in the Yukon for skilled equipment operators, the government may have to pay more for contracted services.

1.2 Water Treatment

Water demands that will occur during pipeline construction are not currently the responsibility of the territorial government, but will become so after devolution occurs in April 2003. Communication between the applicant and Community and Transportation Services and municipalities along the pipeline route regarding the supply of construction camp water is needed.

Water supply needs are expected to be met, either from camp facilities, wells or community sources. With this in mind, user fees for water services are being considered and would ease the burden of this publicly-provided service.

1.3 Sewage and Solid Waste

All communities along the right of way (ROW), except Burwash Landing, have adequate sewage facilities. The sewage system in Burwash Landing is expected to be satisfactory before construction begins. However, maintenance costs for solid waste facilities are expected to increase during construction. Further discussion with the applicant and Community and Transportation Services and municipalities regarding these matters has been suggested. Like water supply, the territorial government does not anticipate having any responsibility for the provision of sewage disposal and facilities for other waste. It has been suggested that further development is required at the solid waste disposal sites if they are to be used by the applicant. Anticipated cost impacts on solid waste disposal facilities operated by the Yukon government were estimated to be about $20,000 annually per site during pipeline construction.

1.4 Air Transportation

Air transport infrastructure would require improvements before pipeline construction. Such improvements include another jet-way at the Whitehorse Airport (approx. $1 million) and further upgrades (approx. $200,000 per site) to fields along the ROW such as Beaver Creek, Burwash Landing, Haines Junction, Silver City, and Teslin. The fields to be updated would depend on the locations to be used by construction crews. There may be limitations as to the type of aircraft used to transport work crews since Whitehorse and Watson Lake currently have the only paved airfields.

Ancillary expenditures for airport construction may include upgrades to Yukon airfields along the ROW. However, the upgrades may or may not take place without pipeline construction. Regardless, the cost of planning for quick implementation of possible upgrades is an anticipated ancillary expenditure of possible pipeline construction. Also, airport maintenance expenditures are expected to increase by $135,000 to $215,000 during this period.

1.5 Rail Transportation

1.5.1 *White Pass*

There is currently a narrow gauge rail line, the White Pass and Yukon Route, running from Tidewater at Skagway to Whitehorse. This line is currently used only for passenger tours between Skagway and locations near the border. It has not been used for freight since the mid-1980s and the portion between Carcross and Whitehorse has been unused almost entirely. Movement of freight by rail from Skagway to Whitehorse might prove attractive. If so, pipeline construction would benefit from the revitalisation of the entire line. Ancillary spending would then involve restoration of the rail-bed and the purchase or refurbishing of rolling stock.

1.5.2 *Canadian Arctic Railway*

Alaskan Senator, Frank Murkowski secured approval of $6 million in US government funding to determine the feasibility of an Alaskan Railroad that would join Alaska and the Yukon to North America's rail network. The Canadian Arctic Railway (CAR) is currently pursuing the possibility of constructing the Yukon portion of the railroad. Further considerations include the railroad's ROW, environmental impact and other social impacts. This would qualify as an ancillary project if it were to be completed and supported pipeline construction. However, this is unlikely and railroad construction is not considered an ancillary expenditure at this point in time.

It was proposed that a rail line be put in along the Tintina Trench. The government of Yukon has already estimated the mineral values within 200 km of the railroad's proposed ROW. The rail line would also help ease the infrastructure burden of mines along its route, especially those in the Dawson City area and those located along the Tintina Trench. This may lead to a reduction in operating costs for mines, but they would have to accommodate rail traffic or transport materials by truck to a station for rail transport. The proposed railroad would also help ease the transportation burden of exporting Alaskan minerals and ore.

The timing of the construction of the railroad would have to be considered if the Alaska Highway Pipeline is to be constructed. The proposed railroad is still in its infancy regarding approvals and feasibility studies. However, if the line were to be built shortly after completion of the Alaska Highway Pipeline, it would help ease the "post pipeline bust" that could be experienced. It was suggested by an Alaskan geologist that the environmental assessments used by the pipeline could be transferred to railroad construction.[2] This may not be possible in the Yukon depending on the route of the railroad.

Logistical burdens may be eased with the construction of the railroad with "lessons learned" from pipeline construction. There would be similar concerns regarding environmental issues, economic and social impacts of the railroad's construction, ratification of First Nations' land claims, etc. The use of improved infrastructure from the construction of the Alaska Highway Pipeline would help reduce the burden the railway construction would have on the existing infrastructure in the southern part of the Yukon. Another advantage for coordinated timing of railway and pipeline construction is that workers building the railroad may have experience working in the northern climate, thus reducing the turnover in railroad construction staff. Also, heavy equipment operators would be able to learn or re-apply skills. There would also be further sustained development, possibly to "bridge" any time gap from the completion of the Alaska Highway Pipeline to the possibility of the development of Mackenzie Delta Gas, either along the Dempster Highway or through the Mackenzie Valley. The Canadian portion of the railroad is proposed to take approximately 3-5 years, depending on the approval process[3]. There was a preliminary cost estimate of $1.3 million to $1.9 million per kilometer of mainline standard track. It should also be noted the CAR has no existing rail in place[4].

1.6 Port Development

The ports in Valdez, Haines and Skagway could be utilized for transporting pipeline materials. Upgrades to the Haines and Skagway ports affect the impact of pipeline construction in Canada. Intensified use of the ports could ease the ground transportation burden, make transportation of materials cheaper, allow for the existing rail line to be utilized, and possibly help promote the further development of rail in the North. Ideally, all port upgrades would be completed before pipeline construction begins.

Skagway and the Yukon government signed a memorandum of understanding on 28 September 2001, agreeing that the White Pass dock in Skagway would be available during pipeline construction. Skagway port development required for pipeline-related construction is an ancillary effect.

1.7 Schools

Demand for elementary and secondary educational services resulting from pipeline construction will depend on the increase in population and if construction workers bring their families. Yukon Territory currently has excess capacity in its school system due to recent population declines and demographic changes. The excess capacity, along with the use of construction camps for workers, implies that the current educational infrastructure can meet demand during pipeline construction. Increased spending, therefore, may not be necessary during pipeline construction depending on how much the school-aged population increases.

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[2] Alaska State Legislature, "Alaska-Canada rail would boost economy". Press Release, Juneau, Alaska, 20 Feb. 2001.

[3] Broadbent, David (2001). Canadian Arctic Railroad presentation for the Canadian Transportation Act Review Panel, 26 March 2001, Whitehorse, YK. www.canarco.ca/news.shtml.

[4] Ibid.

1.8 Health Services

Demand for health care services is likely to increase during pipeline construction because of increased road traffic, increases in work accidents and more people. The actual construction labour force, being composed of prime-age healthy individuals, is not likely to place much of a burden on the health care system, other than through work accidents, and an increase in road accidents due to the increased traffic and more people in the territory. Health care costs would be paid for by the government of the workers' province or territory of residence, while the Yukon Workers' Compensation Health and Safety Board would cover the costs of treating work accidents.

The increase in the construction labour force, and related accidents, will likely put an additional burden on the health care and workers' compensation systems. Work accidents may increase the demand for direct medical services such as hospital emergency and operating room services, and ambulance services (including air ambulance), since most of the spreads will not be located in urban areas. It is not anticipated that additional health care infrastructure will be required to accommodate pipeline construction, but contingencies regarding excessive use of facilities and resources used by pipeline construction workers should be reviewed.

1.9 Jails

The demand on current services ultimately would depend on how and where pipeline employees spend their free time. It would also depend on whether or not construction camps are dry. The Whitehorse Correctional Facility is being replaced, regardless of pipeline activity, and is not considered ancillary spending.[5] Possible ancillary spending would include the costs to handle potential increases in demand for correctional service because of pipeline construction.

2 Conclusion

Ancillary expenditures to be incurred by the Yukon government, excluding health and correctional service expenditures and any costs due to acceleration of current Alaska Highway reconstruction projects, are shown below. There is an estimated $6.95 to $7.85 million in pre-pipeline construction ancillary expenditure required by the Yukon government. The ancillary expenditures shown below are expected to be no greater than $21.7 million over the three years of pipeline construction and the first three years of pipeline operation.

---

[5] Yukon Finance Department. www.gov.yk.ca/finance/budgets/budget00%2d01/factsheets.html.

Table 1: Ancillary Expenditures

		Pre-construction or one-time cost	Year of pipeline construction project						Total
			1	2	3	4	5	6	
Roads and Highways									
Maintenance			$1,700,000	$1,700,000	$1,700,000	$1,700,000	$1,700,000	$1,700,000	$10,200,000
Bridge strengthening		$5,600,000							$5,600,000
Alaska Highway reconstruction *		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Signs and permits		$50,000							$50,000
	Low		$100,000	$100,000	$100,000				$300,000
	High		$500,000	$500,000	$500,000				$1,500,000
Water Treatment		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Sewage		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Solid Waste			$200,000	$200,000	$200,000				$600,000
Air transportation			$135,000	$135,000	$135,000				$405,000
Maintenance, all airports									
	Low		$135,000	$135,000	$135,000				$405,000
	High		$215,000	$215,000	$215,000				$645,000
Whitehorse Airport									
	Low	$750,000							$750,000
	High	$1,000,000							$1,000,000
Beaver Creek									
	Low	$100,000							$100,000
	High	$200,000							$200,000
Burwash Landing									
	Low	$100,000							$100,000
	High	$200,000							$200,000
Haines Junction									
	Low	$100,000							$100,000
	High	$200,000							$200,000
Silver City									
	Low	$100,000							$100,000
	High	$200,000							$200,000
Teslin									
	Low	$100,000							$100,000
	High	$200,000							$200,000
Pine Lake									
	Low	$100,000							$100,000
	High	$200,000							$200,000
Watson Lake			$80,000	$80,000	$80,000	$80,000	$80,000	$80,000	$480,000
Rail Transportation		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Port Development		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Schools		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Health Services		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Jails		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Estimate									
	Low	$6,950,000	$2,350,000	$2,350,000	$2,350,000	$1,780,000	$1,780,000	$1,780,000	$19,340,000
	High	$7,850,000	$2,830,000	$2,830,000	$2,830,000	$1,780,000	$1,780,000	$1,780,000	$21,680,000

* Only ancillary expenditure from Alaska Highway reconstruction would be the cost of accelerating current reconstruction projects.

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Alaska State Legislature "Alaska-Canada rail would boost economy" Press Release, Juneau, Alaska, 20 Feb. 2001.

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Development of Gas Fields in Yukon and BC

Working Paper No. 4.1.1

March 2002

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L. Zanasi

Informetrica
Limited

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Development of Gas Fields in Yukon and BC

1 Development of Gas Fields in Yukon and BC

Construction of a natural gas pipeline is likely to spur gas development that may not otherwise occur in the Yukon and sections of BC. Since Yukon gas fields are largely undeveloped, an inexpensive means to market may allow for further progress. The Yukon fields discussed here in detail are those that have undergone rights dispositions. There are also feasibility studies underway for these fields that have had rights dispositions awarded, but not by the Yukon Oil and Gas Branch. Those fields are found within the Liard Plateau, Eagle Plain, Peel Plateau and the North Coast. BC gas fields are also discussed. Other considerations include how the pipeline will be powered, swapping, and territorial and provincial royalties.

1.1 Liard Plateau

The only producing gas field in the Yukon Territory is the Kotaneelee Field in the Liard Plateau. Currently there are two wells producing approximately 22 billion cubic feet (BCF) per year. Proven reserves of Kotaneelee Field are approximately 437 BCF, however further exploration of the field is required to assess its full potential.[1] The total potential for the region within Yukon is 1.9 trillion cubic feet (TCF). With further pipeline and processing plant development, more natural gas may be produced from the field (There is a pipeline to this field to Ft. Nelson, BC). The cost estimate of drilling a well in the Yukon ranges from $4 to $12 million.[2]

1.2 Eagle Plain

Unlike the Liard Plateau, there is no infrastructure to allow for the transmission of natural gas from Eagle Plain Basin to market. Dispositions are owned by a number of companies but there has been no commercial production to date. Currently there are four suspended wells in the region, 2 gas and 2 oil. Potential reserves for gas are 1 TCF and 28 million barrels of oil (45% probability).[3] However, more exploration and pipeline infrastructure are required for further development of the natural gas.

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[1] National Energy Board for Energy Resources Branch (2001). "Petroleum resource assessment of the Liard Plateau, Yukon Territory, Canada." For the Oil and Gas Resources Branch, Department of Economic Development, Government of Yukon, p. ii.

[2] Oil and Gas Resources Branch (2001). "Quick Yukon oil and gas facts". www.Yukonoilandgas.com. (Whitehorse, YK: Yukon Department of Economic Development), p.2.

[3] National Energy Board for Energy Resources Branch (2000). "Petroleum resource assessment of the Eagle Plain, Yukon Territory, Canada." For the Oil and Gas Resources Branch, Department of Economic Development, Government of Yukon, p. ii.

1.3 Peel Plateau

Currently there have been no dispositions awarded for the field. In a recent call for nominations, there was just a single parcel nominated. The process has moved on to a third call for bids by the Yukon government. As with the Eagle Plain Basin, there would be a requirement for pipeline infrastructure to be in place in order for the gas to reach market. The potential of the Peel Plateau is estimated to be 2.3 TCF of gas and 21 million barrels of oil.[4] Production may also be possible if there are any viable mines in the region, for example, the Crest Property (iron deposit).

1.4 North Coast

A lateral line connecting the North Coast field with either the Prudhoe Bay or Mackenzie Delta gas fields would be required for North Coast gas to reach market. This is due to the protected land south of this field. Also, due to the extensive costs and engineering feats required for an "over-the-top" gas line, it seems unlikely this field will be further developed in the near future. There are federally-issued dispositions in the Yukon area which have potential reserves of 890 BCF of gas (median estimate) and 200 million barrels of oil.[5] Some of this region is removed from development by the presence of National parks.

1.5 Other Yukon Fields

The remaining fields in the Yukon have not undergone intensive exploration or development. With the existence of the Alaska Highway Pipeline, it may be feasible to consider fields near the line. For example, the proposed route of the pipeline runs through the Whitehorse Trough. This field has a potential of 196 BCF of natural gas (mean marketable), and 8 million barrels of oil. Coal bed methane potential in the Yukon portion of the Whitehorse Trough has not yet been assessed.[6]

Other fields in the Yukon include the Kandik Basin, Bonnet Plume Basin and Old Crow Basin. All of these fields are in the northern region of the territory and are set off of the Dempster Highway. It should also be noted that Old Crow Basin is located in a protected area. About 1 TCF of conventional gas has been discovered in Bonnet Plume, however more exploration of the field is required.[7] The Yukon portion of resource potential in the Kandik Basin includes 850 BCF of gas and 160 million barrels of oil.[8]

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[4] National Energy Board for Energy Resources Branch (2000). "Petroleum resource assessment of the Peel Plateau, Yukon Territory, Canada." For the Oil and Gas Resources Branch, Department of Economic Development, Government of Yukon, p. ii.

[5] Hannigan, P.K. (2001). "Petroleum resource assessment of the Yukon North Coast,Yu kon Territory, Canada." For the Oil and Gas Resources Branch, Department of Economic Development, Government of Yukon, p. 40, 41.

[6] National Energy Board for the Energy Resources Branch (2001). "Petroleum Resource Assessment of the Whitehorse Trough, Yukon Territory, Canada." For the Oil and Gas Resources Branch, Department of Economic Development, Government of Yukon, p. ii.

[7] Hannigan, P.K. (2000). "Petroleum resource assessment of Bonnet Plume Basin, Yukon Territory, Canada." For the Oil and Gas Resources Branch, Department of Economic Development, Government of Yukon, p. 33.

[8] Hannigan, P.K., K.G. Osadetz, J. Dixon, T. Bird (2000). "Petroleum resource assessment of the Kandik Basin, Yukon Territory, Canada." For the Oil and Gas Resources Branch, Department of Economic Development, Government of Yukon, p. ii.

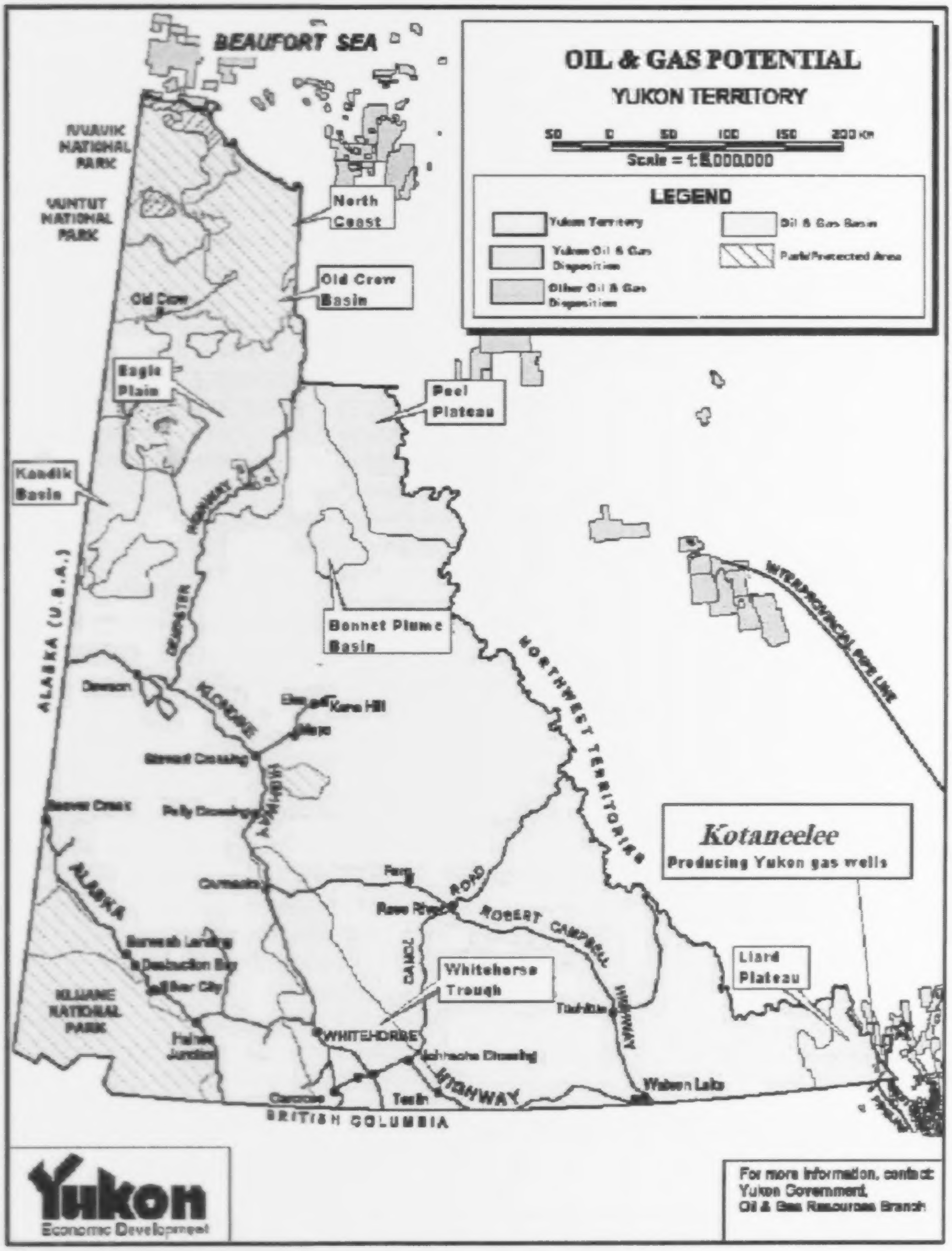
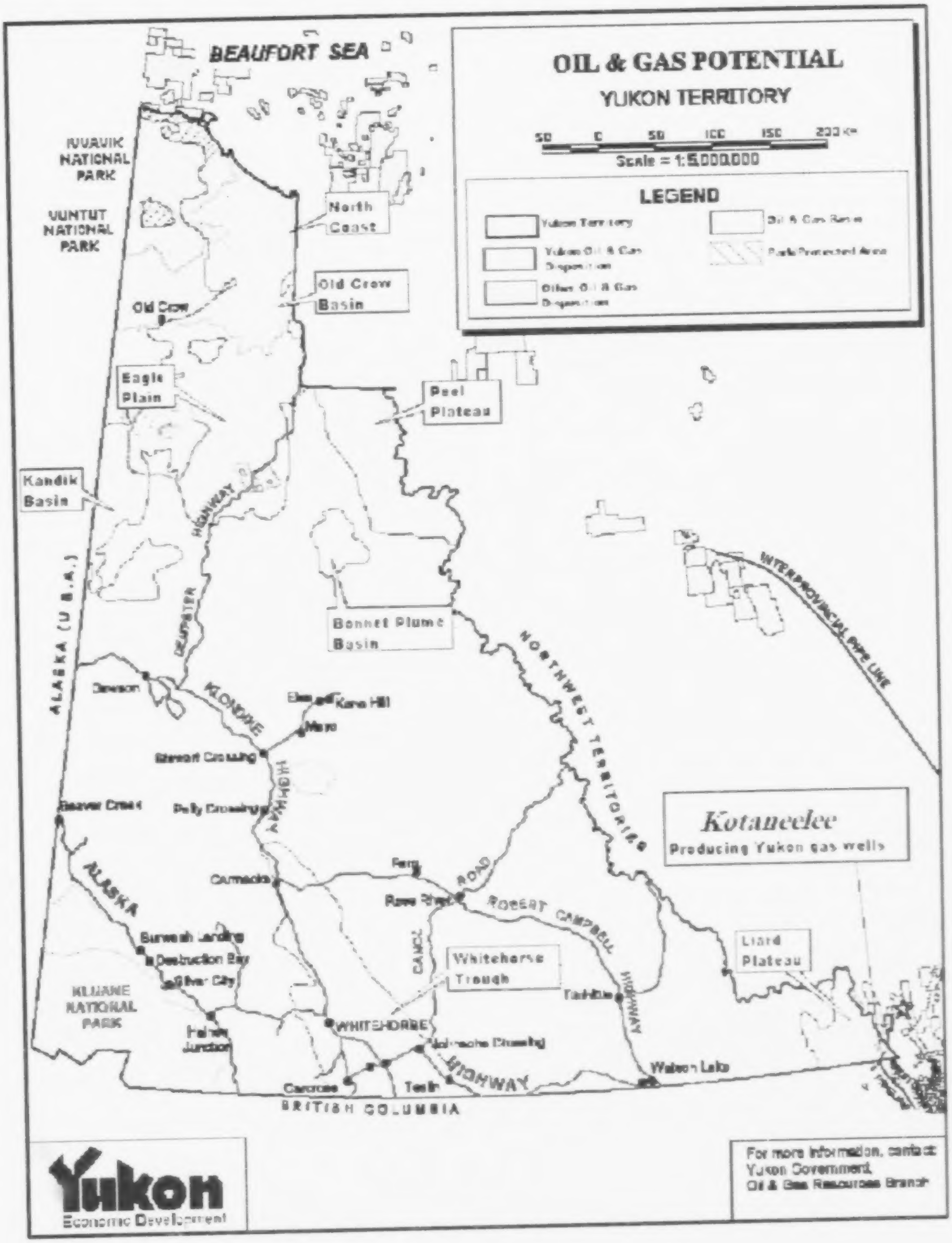

OIL & GAS POTENTIAL
YUKON TERRITORY
50 0 50 100 150 200 KM
Scale = 1:8,000,000
LEGEND
Yukon Territory
Oil & Gas Basin
Yukon Oil & Gas Disposition
Park/Protected Area
Other Oil & Gas Disposition
BEAUFORT SEA
IVVAVIK NATIONAL PARK
VUNTUT NATIONAL PARK
North Coast
Old Crow Basin
Old Crow
Eagle Plain
Peel Plateau
Kandik Basin
Bonnet Plume Basin
DEMPSTER HIGHWAY
INTERPROVINCIAL PIPE LINE
ALASKA (U.S.A.)
NORTHWEST TERRITORIES
Dawson
KLONDIKE
Elsa
Keno Hill
Mayo
Stewart Crossing
Beaver Creek
Pelly Crossing
Kotaneelee
Producing Yukon gas wells
ALASKA
Carmacks
Faro
Ross River
ROAD
ROBERT CAMPBELL
HIGHWAY
CANOL
Whitehorse Trough
Liard Plateau
Burwash Landing
Destruction Bay
Silver City
KLUANE NATIONAL PARK
Haines Junction
WHITEHORSE
Johnsons Crossing
Teslin
HIGHWAY
Carcross
Watson Lake
Tuchitua
BRITISH COLUMBIA
Yukon
Economic Development
For more information, contact:
Yukon Government,
Oil & Gas Resources Branch

Image from: Yukon Economic Development, Yukon Government.


OIL & GAS POTENTIAL
YUKON TERRITORY
50 0 50 100 150 200 km
Scale = 1:5,000,000
LEGEND
Yukon Territory
Yukon Oil & Gas Disposition
Other Oil & Gas Disposition
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Producing Yukon gas wells
Carmacks
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Ross River
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HIGHWAY
ALASKA
Burwash Landing
Destruction Bay
Silver City
KLUANE NATIONAL PARK
CANOL
Whitehorse Trough
Liard Plateau
Tuchitua
Haines Junction
WHITEHORSE
Jakes Corner
Johnsons Crossing
HIGHWAY
Carcross
Teslin
Watson Lake
BRITISH COLUMBIA
Yukon
Economic Development
For more information, contact:
Yukon Government,
Oil & Gas Resources Branch

Image from: Yukon Economic Development, Yukon Government

1.6 BC Fields

BC's gas fields are more extensively developed than those of the Yukon. In 2000 alone, "753 oil and gas wells were drilled and 26.6 billion cubic metres of gas [939.4 BCF of natural gas] were produced, the most in BC's history".[9] This provided about $4.6 billion in revenue, of which $1.3 billion went to the provincial government. The Western Canada Sedimentary Basin (northeast BC) has been extensively explored and developed. This region of the province has discovered reserves of 35.2 TCF of gas and 2.42 billion barrels of oil. Undiscovered reserves are estimated to be about 50 TCF of gas, 265 million barrels of oil and 200 TCF of coal bed methane.[10] Most of the production in this basin can be attributed to the large Ladyfern gas field, about 100 km northeast of Fort St. John. There is an extensive pipeline system throughout the province, including service on Vancouver Island. There are also more than 25 gas plants operating in the province.

Other unexplored gas fields near existing pipelines include the Nechako Basin, Bowser Basin, Fernie Basin, and the Georgia Basin. The Nechako Basin has potential undiscovered reserves of 9.5 TCF of gas and 5.1 billion barrels of oil. Undiscovered gas reserves in the Bowser Basin are 13.7 TCF and undiscovered oil reserves are estimated to be 2.5 billion barrels. There are an estimated 0.4 TCF of undiscovered gas reserves in the Fernie Basin and an estimated undiscovered oil reserve of 88 million barrels. The Georgia Basin has an estimated undiscovered gas reserve of 6.5 TCF. Potential undiscovered coal bed methane reserves in these fields are estimated at 50 TCF.[11]

The known potential of BC gas is much greater than in the Yukon. There is also an infrastructure system in place in the province, while the only gas pipeline currently in the Yukon is in the southeast corner of the territory. There is also discussion regarding the exploration and development of offshore oil and gas in BC. The fields in question are the Queen Charlotte Basin, Tofino Basin, Quesnel Trough and Winona Basin. The Queen Charlotte Basin has an undiscovered reserve potential in excess of 25 TCF of gas and about 10 billion barrels of oil.[12]

Further growth may be dependent on the development of Prudhoe Bay gas, as well as demand for natural gas and oil. Pipeline infrastructure is in place, but may need upgrading to allow for increased volumes of "new" BC gas. However, if the Alaska gas does not come on line, there may be an increased need for the further expansion of BC gas fields.

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[9] Ministry of Energy and Mines (2000). "Oil and gas in British Columbia: statistics and potential" Government of BC, p. 2.

[10] Ministry of Energy and Mines, BC (2001). "Hydrocarbon basins and reserves of BC" www.em.gov.bc.ca/Oil&gas/oilgasdv/bcogbasins.htm. (does not specify if only counting fuel from the province or the entire basin.)

[11] Ibid.

[12] Ibid.

Sedimentary Basins and Pipelines of British Columbia

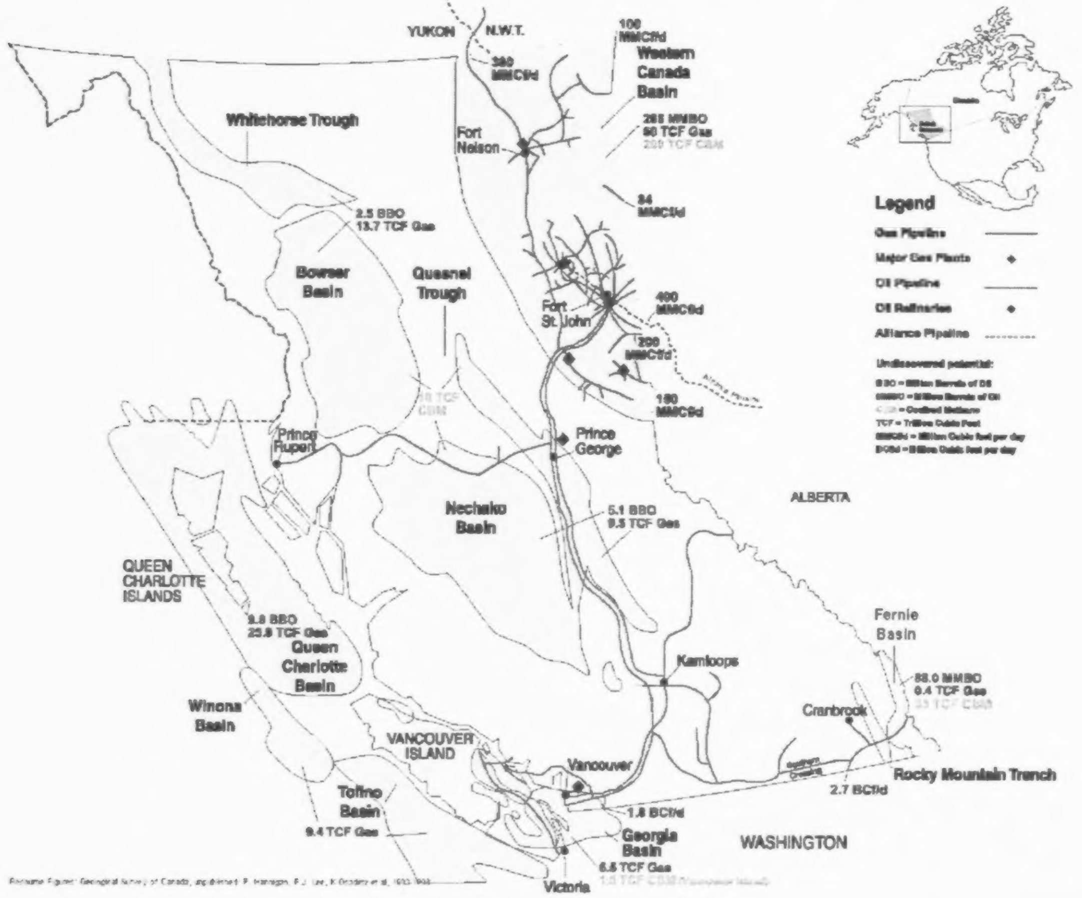
YUKON
N.W.T.
100 MMCf/d
380 MMCf/d
Western Canada Basin
285 MMBO
90 TCF Gas
Whitehorse Trough
Fort Nelson
84 MMCf/d
2.5 BBO
13.7 TCF Gas
Bowser Basin
Quesnel Trough
Fort St. John
400 MMCf/d
200 MMCf/d
Alliance Pipeline
180 MMCf/d
Prince Rupert
Prince George
Nechako Basin
5.1 BBO
9.3 TCF Gas
ALBERTA
QUEEN CHARLOTTE ISLANDS
9.8 BBO
25.9 TCF Gas
Queen Charlotte Basin
Winona Basin
Fernie Basin
Kamloops
88.0 MMBO
0.4 TCF Gas
Cranbrook
VANCOUVER ISLAND
Vancouver
Tofino Basin
9.4 TCF Gas
1.8 BCf/d
2.7 BCf/d
Rocky Mountain Trench
Georgia Basin
6.5 TCF Gas
WASHINGTON
Victoria
Legend
Gas Pipeline
Major Gas Plants
Oil Pipeline
Oil Refineries
Alliance Pipeline
Undiscovered potential:
BBO = Billion Barrels of Oil
MMBO = Million Barrels of Oil
CBM = Coalbed Methane
TCF = Trillion Cubic Feet
MMCf/d = Million Cubic feet per day
BCf/d = Billion Cubic feet per day

Image from: Ministry of Energy and Mines, BC (2001). "Hyd rocarbon basins and reserves of BC"
www.em.gov.bc.ca/Oil&gas/oilgasdv/bcogbasins.htm

Sedimentary Basins and Pipelines of British Columbia

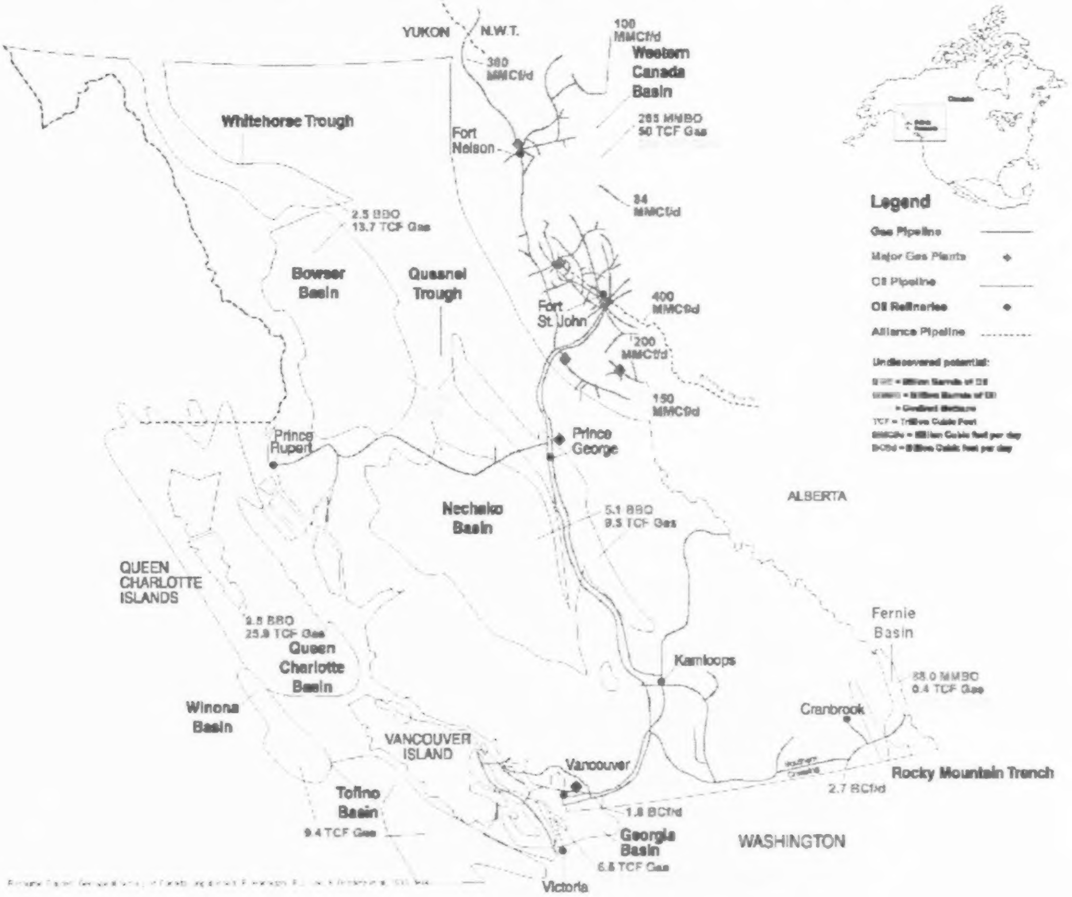
YUKON
N.W.T.
100 MMCf/d
380 MMCf/d
Western Canada Basin
285 MMBO
50 TCF Gas
Whitehorse Trough
Fort Nelson
34 MMCf/d
2.5 BBO
13.7 TCF Gas
Bowser Basin
Quesnel Trough
Fort St. John
400 MMCf/d
200 MMCf/d
150 MMCf/d
Prince Rupert
Prince George
Nechako Basin
5.1 BBO
9.5 TCF Gas
ALBERTA
QUEEN CHARLOTTE ISLANDS
9.8 BBO
25.9 TCF Gas
Queen Charlotte Basin
Winona Basin
Kamloops
Fernie Basin
88.0 MMBO
0.4 TCF Gas
Cranbrook
VANCOUVER ISLAND
Vancouver
Rocky Mountain Trench
2.7 BCf/d
Tofino Basin
9.4 TCF Gas
1.8 BCf/d
Georgia Basin
6.8 TCF Gas
WASHINGTON
Victoria
Legend
Gas Pipeline
Major Gas Plants
Oil Pipeline
Oil Refineries
Alliance Pipeline
Undiscovered potential:
TCF = Trillion Cubic Feet

Image from: Ministry of Energy and Mines, BC (2001). "Hydrocarbon basins and reserves of BC" www.em.gov.bc.ca/Oil&gas/oilgasdv/bcogbasins.htm

1.7 Other Considerations

1.7.1 *Compressor Stations*

Electricity needed to operate the pipeline may come from several different sources. The most likely would be the burning of natural gas and hydro electricity. Natural gas utilized for electricity generation would be from the pipeline, while the hydro electricity would be from the Whitehorse-Aishihik-Faro grid. Cost and availability of hydro electricity versus the cost of burning natural gas would decide what energy source powers the compressor stations.

1.7.2 *Natural Gas "Swapping"*

Natural gas from the pipeline used in the Yukon could be replaced by gas from a Yukon field, such as Liard and purchased at Alberta wellhead prices. This would allow for a beneficial situation in the Yukon because natural gas could be potentially available at Alberta prices. There is the potential that any Yukon user/local provider of natural gas could "swap" the fuel without reducing the supply from Alaska destined for lower 48 markets.

Royalties may be paid in terms of gas, at the wellhead pre-royalty price instead of cash. The Yukon government may then be able to distribute or sell this gas to a gas provider for use in the Yukon at a competitive price. However, some method for swapping this gas may be required. The territory may have to purchase gas at Alberta wellhead prices to replace the fuel taken from the pipeline, and would also have to decide how to price its own gas to make this option viable and competitive with other Yukon gas distributors.

1.7.3 *Royalties*

Royalties paid to the territorial and provincial governments for the production of gas are substantial. In 2000 alone, the Yukon government received approximately $7 million for the production of the two Kotaneelee wells. Yukon First Nations with land claim agreements will also be able to collect royalties from gas produced on lands to which they have subsurface rights (Category A lands). Furthermore, under the Umbrella Final Agreement on land claims, the Yukon is required to pay to the 14 Yukon First Nations 50% of the first two million dollars in royalties collected where the crown royalties exceed royalties collected by First Nations. If the difference exceeds $2 million, the Yukon will pay 10% of the additional amount. The net of gas royalties received by the Yukon government may vary due to the formula financing agreement with the federal government.

Meanwhile, BC's revenues from royalties increased from about $300 million in 1999 to about $850 million in 2000. This increase is due to the increase in gas prices and additional gas processing. Processing of natural gas liquids more than doubled from 1999 to 2000. The revenues received from royalties from resource production and transmission may entice governments to encourage the development of their resources.

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Pipe Dreams: Post-pipeline Development Impacts

Working Paper No. 4.2.1

March 2002

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Informetrica
Limited

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Pipe Dreams: post-pipeline development impacts

1 Introduction

Opportunities such as further development of mining and smelting, the introduction of natural gas into the local market, an increase in the local energy options and expansion of other industrial and business development could be presented to the Yukon with the Alaska Highway Pipeline Project (AHPP). Ancillary expenditures that would facilitate the construction of the pipeline are discussed in Working Paper 3.2.1. Possible developments discussed here are mostly hypothetical. Hence, "Pipe Dreams", or other post-pipeline development impacts will discuss potential developments that may be overlooked or not possible without a natural gas pipeline.

Economic development in any form also spurs interest in the development of industrial parks, residential areas, and retail space. However, such developments are best studied separately, since in each case other developments may amplify the need or reduce it. This paper considers potential development and other improvements in the mining and smelting industry that may be spurred by the AHPP, natural gas distribution in Whitehorse, energy options, and other industrial and business development.

2 Mining and Smelting

With improved access to inexpensive electrical power, either hydro or natural gas, mining operations that utilize diesel-burning generators may have their marginal costs reduced and the amount of power available to them increased. Smelting operations could become more viable with cheaper electricity generated by natural gas. The use of cogeneration facilities, using natural gas, may also help to reduce operational expenses. Also, large shipments of ore or concentrates may become possible with the development of a railroad.[1] This may allow for an increase in operational efficiency. Mines and smelters mentioned here are close to the proposed pipeline, or are near a community with potential access to cheap electricity, either gas-fired generating plants or hydro, and have either been in production in the past (not under reclamation), or are undergoing exploration or production.

2.1 Yukon

Due to higher tungsten prices, Cantung mine has reopened. The expected mine life is three to fifteen years, depending on mineral prices. The peak power used in previous mining operations at Cantung was 4.4 MW, for an annual average consumption of 23,000 MWh, from onsite diesel engines.[2] In terms of natural gas, peak power natural gas usage would be about 14,000 cubic feet of gas and annual consumption would be about 71.5 MCF.[3] This would amount to less than a hundredth of a percent of daily natural gas transmission. However, the mine is about 300 km north of Watson Lake and would not likely have access to natural gas on-site. Airport and runway improvements scheduled for the Watson Lake Airport may allow for better logistics.

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[1] The potential railroad was discussed with the ancillary impacts (WP 3.2.1) since early construction could affect the logistics of the pipeline.

[2] Gartner Lee LTD. "Research services for Yukon mineral industry power demands" for Government of Yukon, Department of Economic Development, October 1997, p.58.

[3] Calculated from Natural Resources Canada, *Energy Statistics Handbook*, April 2001, conversion factors are from Statistics Canada.

The Wellgreen property could benefit directly from the pipeline. The site's energy requirements with a smelter are 35 MW of power (less than a hundredth of a percent of transmitted gas).[6] A less expensive source of energy than diesel, such as natural gas, would improve mine economics. There would also be infrastructure upgrades throughout the region, including airport improvements in Burwash Landing, which could benefit the site.

Other deposits currently not in production that may benefit from infrastructure upgrades including access to natural gas are Skukum Creek Deposit, Goddell Deposit and Sa Dena Hes property. Currently, there is onsite diesel generation. The possibility of using natural gas for electrical generation may increase the project's viability. The Goddell Deposit, also part of the Skukum Creek Deposit, has been developed for mining. Infrastructure improvements in the Whitehorse area due to pipeline construction may help to make this project feasible as well. However, unlike the Skukum Creek Deposit, there has been no production from the deposit to date.

The Sa Dena Hes Property, located 50km NE of Watson Lake was scheduled to re-open in mid-1998 but, due to poor market conditions, it did not.[7] Smelting of the ore and its consumption was most likely to be in Asia. With potential access to either natural gas or an extension of the Watson Lake electrical grid, the project's costs of scale may improve to allow it to re-open. Other properties near the Robert Campbell Highway that may become more attractive for development with access to either natural gas on the mine-site, or through cheaper electricity rates due to a grid extension from Watson Lake include Kudz Ze Kayah, Wolverine Lake, Howard's Pass property and the tungsten properties, Cantung (in operation) and Mactung.

Properties that may benefit from an electrical grid extension include Grew Creek, Division Mountain, and Carmacks Copper Mine. All three locations are close to the Whitehorse-Aishik-Faro grid.

2.2 British Columbia

Spending on mineral exploration in BC has slowed since the mid-1990s. This can be explained in part by low mineral prices. Mines close to the Yukon that may benefit from better road and energy infrastructure include Cassiar, Serpentine Lake and Kutcho Creek. Serpentine Lake and Kutcho Creek are jade mines. Advanced projects include Silvertip and Tulsequah Chief, while there is only one new project, Thorn. All of these operations are near the Yukon border and are

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[4] Gartner Lee LTD. "Research services for Yukon mineral industry power demands" for Government of Yukon, Department of Economic Development, October 1997, p.58.

[5] Calculated from Natural Resources Canada, *Energy Statistics Handbook*, April 2001, conversion factors are from Statistics Canada.

[6] Ibid (conversion factors), power requirement data from Mineral Resources Branch,Dep artment of Economic Development (2001). "Yukon mineral property update." Government of Yukon, p.64.

[7] Mineral Resources Branch, Department of Economic Development (2001). "Yukon mineral property update." Government of Yukon, p. 55.

not currently along a BC gas pipeline route. It should also be noted that infrastructure in northern BC is limited. Thorn is located near Nikina, BC in the Stikine Plateau. The only road access from Nikina leads north to the Alaska Highway, the junction of which is located northeast of Carcross, YK.

3 Natural Gas

Local access to natural gas provides a range of alternatives for energy consumption from household appliances to district energy. The cost of getting the gas from the Alaska Highway Pipeline (AHP) to the community would need to be considered. Thus, the size and location of a community and its population density would determine the relative cost-effectiveness of piped natural gas versus other potential energy sources. Cogeneration and district heating options allow communities to explore other energy sources, including the use of heat from a cogeneration plant to provide heating and electricity for community buildings and possibly a greenhouse.

Consumers would consider differences in household heating costs by type of fuel before they would be willing to switch to natural gas. Initial calculations regarding the cost of natural gas as a heating fuel show significant savings over all other fuel types available for home heating in the Whitehorse area. The chart below was calculated using information from the city of Whitehorse, Statistics Canada price index data, and the use of the heating cost calculator found at the Natural Resources Canada website. Remaining information is from the Energy Statistics Handbook. Current prices are from a variety of sources, including the Yukon News, Superior Propane and Great Northern Oil Inc.

Table 1: Whitehorse heating fuel price information

26 December 2001

Fuel	Efficiency*	Price**	Units	Cost to heat home***
Furnace Oil	80%	0.531	$/L	$1,560
Arctic Stove Oil	80%	0.544	$/L	$1,600
Propane	80%	0.583	$/L	$2,590
Wood (soft)	60%	130	$/cord	$1,040
Electricity	100%	0.1118	$/kWh	$2,800
Natural Gas^	80%	0.401	$/cu.m.	$1,200

* EFFICIENCY: from http://hvac.nrcan.gc.ca/calculator/index.html, using mid-efficiency furnace.

** PRICE: Furnace Oil, Arctic Stove Oil and Propane from: www.yukonweb.com/government/ybs/monthly/fuel1201.pdf
The above prices are from 26 December 2001
Wood: Mean price, range was $120/cord to $140/cord, Yukon News Classified ads, 18 January 2002, provided by L. Zanasi.
Electricity: price given in $/kWh after the first 1000 kWh by L. Zanasi, based on a current project.

*** COST TO HEAT HOME: from http://hvac.nrcan.gc.ca/calculator/index.html; Based on a 4 person residence, with a 90 GJ heat load, and not including hot water heater.

^ NATURAL GAS: Efficiency estimated from information available at http://hvac.nrcan.gc.ca/calculator/index.html.
Price taken from Canadian residential average, Energy Statistics Handbook, Stats. Can. , NRCan. October 2001, table 10.32, price was scaled using: 62-001, table 6, Ontario; July 2001 and November 2001

3.1 Local Gas Distribution

Lack of piped-gas regulation and development in the Yukon, and discussion of Prudhoe Bay gas being transported through the Yukon has kindled the interest of potential providers of the service. A number of proponents, including several utilities, the City of Whitehorse, and Kwanlin Dun First Nation, have shown interest in obtaining a franchise to distribute piped gas in Whitehorse. This system would initially be designed for propane and would switch to natural gas if it becomes available. It was suggested that regardless of the natural gas pipeline being built, the construction of a dual propane/natural gas system would be completed. The system's initial goal would be to service commercial customers in the downtown core of Whitehorse, while residential customers in the immediate vicinity would also have access to the distribution system. If, and when, natural gas were to be available in the region, the distribution system could be expanded. Incentives for consumers to switch to piped-propane would also include a package for customers to switch to natural gas with relative ease.

Legislation regarding underground distribution of gas has to be completed before companies and municipalities can further pursue piped-gas franchises in the Yukon.

3.1.1 *Franchise Distribution*

Options regarding the franchise of sub-terrain gas distribution in the Yukon may include a decision as to the number of franchises to be awarded. This would be coupled with a decision as to the location of the franchises and whether or not one or more franchises should practice in a specific jurisdiction. Rate structures and regulation regarding competition may result in one distributor for a region, since the number of available customers in the downtown core of Whitehorse are too few for any economies of scale to be had by the service provider to make the price of piped gas worthwhile for the consumer.

Without a regulated monopoly of the piped-gas system, competing interests may not achieve revenues that would make piped gas economically viable for the provider(s) and users. The type of service provided by the franchise may also be a consideration. The piped gas service provider may just handle the distribution system that is to be used by consumers. Consumers would have to locate a supplier of propane (or natural gas), or alternatively the franchise may also be awarded the right to provide gas. This latter system is used in Thompson, where STITTCO is both the distributor and provider of gas for the local market. It also allows the gas provider the ability to store fuel that would be required for peak usage. This could ensure a more consistent supply of gas to the local area and possibly lower rates during peak usage.

The small number of potential customers suggests that only one franchise could operate in the city of Whitehorse. In turn, this monopoly will require some form of price regulation or public ownership with an open review process on rates.

4 Electricity

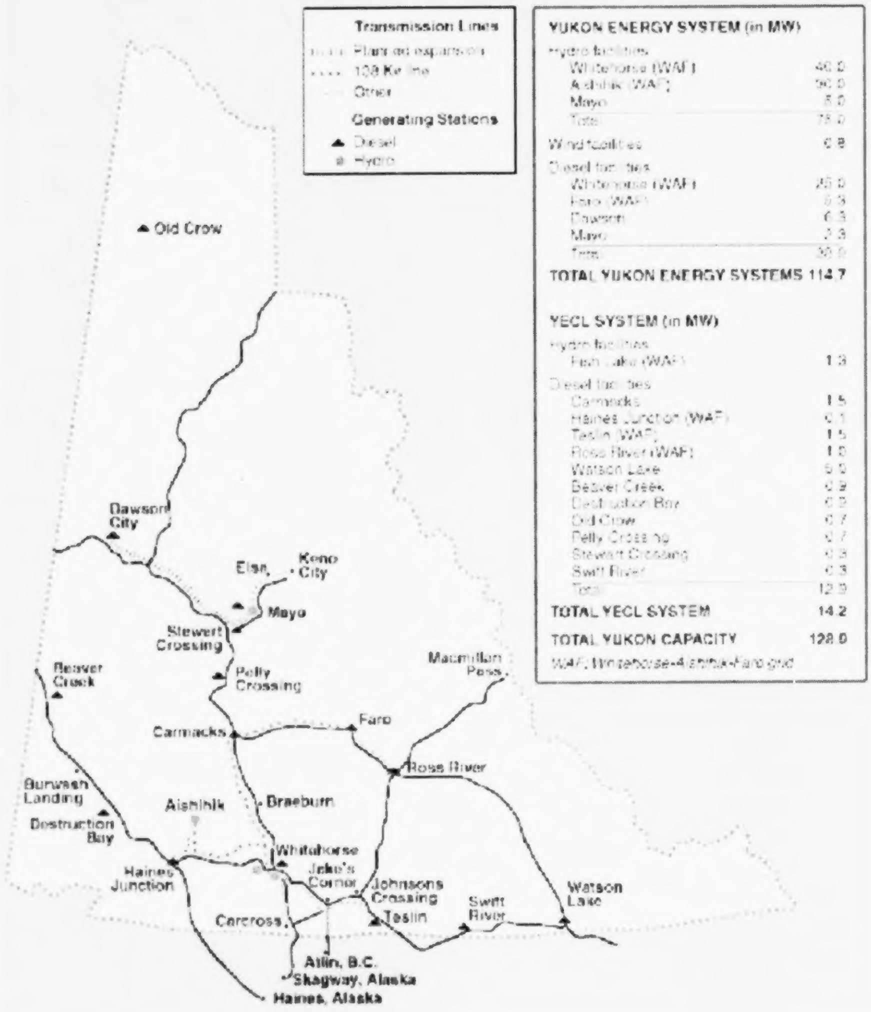
There is room for electrical generation development with access to natural gas. Natural gas is cheaper, more efficient and cleaner burning than diesel. With the current system of hydro and/or diesel generators, it may be possible to use natural gas in lieu of diesel to generate electricity.

Communities directly along the pipeline route may be able to switch from diesel generated electricity to natural gas. These communities include Beaver Creek, Destruction Bay, Haines Junction, Whitehorse, Teslin, Swift River and Watson Lake. Communities mentioned above that depend on diesel generators are Beaver Creek, Destruction Bay, Swift River and Watson Lake. The other three communities, Whitehorse, Haines Junction and Teslin are on the Whitehorse-Aishihik-Faro (WAF) grid, which uses diesel generators for peak and emergency electrical service.

The switch to natural gas electrical generators would help to ease the post-pipeline construction falloff. There would be employment opportunities on the construction project, a possible increase in the capacity of the local power grid, and a cheaper, more efficient means of producing supplementary power. The availability of natural gas in the Yukon offers the possibility to use cogeneration plants and develop district energy in communities across the territory.

The attractiveness of cogeneration will depend on its competitiveness with the piped-gas option.

ELECTRIC POWER FACILITIES IN THE YUKON


Transmission Lines
Planned expansion
138 Kv line
Other
Generating Stations
▲ Diesel
● Hydro
Old Crow
Dawson City
Elsa
Keno City
Mayo
Stewart Crossing
Pelly Crossing
Macmillan Pass
Beaver Creek
Carmacks
Faro
Ross River
Burwash Landing
Destruction Bay
Aishihik
Braeburn
Whitehorse
Haines Junction
Jake's Corner
Johnsons Crossing
Teslin
Swift River
Watson Lake
Carcross
Atlin, B.C.
Skagway, Alaska
Haines, Alaska

YUKON ENERGY SYSTEM (in MW)	
Hydro facilities	
Whitehorse (WAF)	40.0
Aishihik (WAF)	30.0
Mayo	5.0
Total	75.0
Wind facilities	0.8
Diesel facilities	
Whitehorse (WAF)	25.0
Faro (WAF)	5.3
Dawson	6.3
Mayo	2.3
Total	38.9
TOTAL YUKON ENERGY SYSTEMS	**114.7**

YECL SYSTEM (in MW)	
Hydro facilities	
Fish Lake (WAF)	1.3
Diesel facilities	
Carmacks	1.5
Haines Junction (WAF)	0.1
Teslin (WAF)	1.5
Ross River (WAF)	1.0
Watson Lake	5.0
Beaver Creek	0.9
Destruction Bay	0.9
Old Crow	0.7
Pelly Crossing	0.7
Stewart Crossing	0.3
Swift River	0.3
Total	12.9
TOTAL YECL SYSTEM	**14.2**
TOTAL YUKON CAPACITY	**128.9**

WAF: Whitehorse-Aishihik-Faro grid

Image from: Yukon Energy Corporation, www.yec.yk.ca

4.1 Cogeneration

Cogeneration is the generation of both heat and electricity from the same energy source such as natural gas, wood, biomass, diesel and other fuels. District energy also stems from this process, and has been in place in numerous communities for some time. The availability of relatively cheap energy sources has slowed the development of district energy in Canada. Most Canadian uses of cogeneration and district energy are for university campuses, industry, hospitals and densely populated areas. Advantages of cogeneration are greater heating efficiencies from conventional fuel combustion methods that make use of burning oil to generate steam, as well as lowered emissions and less environmental disruption that result from traditional combustion and hydro operations. These types of systems also allow for excess power generated by its turbines to be fed back in to the local grid, and use energy from the local grid during peak hours.

Communities that use district energy or cogeneration facilities that may be of interest as examples include power plants in Fort McPherson, NWT, Watson Lake, YK, Cornwall, ON, and a proposed site in Revelstoke, BC.

Fort McPherson has a district heating facility that began operating in 1997. The system was developed by the Northwest Territories Power Corporation and provides district heating to five commercial customers. The system is run off of diesel generators and uses the water-jacket coolant from the generators to provide heat for its customers. For the fiscal year ended March 1998, the system had displaced about 11% of the community's fuel oil consumption.[8] Local emissions are also reduced by the system, with estimates of carbon dioxide emissions reduced by 640 tonnes and sulphur oxide emissions reduced by 1 tonne.[9] The system's planned expansion will include further heat recoveries that would allow for peak-period heating usage. In mid-2001, peak usage was still provided by heating oil from the district heating customers' boilers.

Watson Lake's system is similar to that of Fort McPherson. Heat from the local diesel plant is used in several community buildings, including the school and the community centre.

A district energy facility has been operating in Cornwall, ON since 1995. This facility is interesting due to the electrical supply options Cornwall has. The city was never connected to the Ontario Hydro grid and purchases power from suppliers in Ontario, Québec and New York. To achieve some independence regarding power supply, a cogeneration power plant fuelled by natural gas was built.[10] The system has the ability to provide peak heating and is backed up by the local electrical grid. Interestingly, the plant is located in a residential area and is soundproof and aesthetically pleasing. The distribution network is 4.5 km and the system accounts for 4% of the city's electricity.[11]

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[8] Natural Resources Canada. www.nrcan.gc.ca/es/etb/cetc/cetc01/htmldocs/factsheet_fort_mcpherson_northwest_territories_district_heating_system_e.html.Up dated 6 July 2001.

[9] Ibid.

[10] Natural Resources Canada. http://www.nrcan.gc.ca/es/etb/cetc/cetc01/htmldocs/factsheet_cornwall_ontario_district_heating_system_e.html. Updated 6 July 2001.

[11] Ibid.

The district heating system proposed for Revelstoke would take advantage of wood waste at a local sawmill. Through the use of a gasifier incinerator and steam turbines, electricity would be produced and excess heat would be distributed to the downtown core for use in commercial and institutional buildings.[12] This system would help clear the clear the air due to emissions from the burning of wood residue from local sawmills.

One alternative use for waste heat expelled from the pipeline's compressor stations may be in greenhouses or aquaculture. With the addition of a boiler, this type of system may be possible due to waste heat not being provided on a consistent basis from the pipeline's compressor station. A community greenhouse in Inuvik provides a growing season similar in length to that of southern Alberta.[13] The impact of this may be beneficial for consumers throughout the Yukon with potentially lower costs for some produce, and greater availability of fresher produce. However, greenhouses would have to be located close to heat generating sources.

Natural gas may also be used by fuel cells that could help supply power for cogeneration plants. Advantages of fuel cells include their efficiency and no release of harmful pollutants to the air. Currently, fuel cells that are used by cogeneration plants are mainly in market areas with cheap natural gas and relatively expensive electricity.[14] The costs of implementing a fuel cell system are currently quite high, and will become more competitive with other energy sources when costs per kilowatt are reduced. Depending on how natural gas is to be utilized in the Yukon, fuel cells may become viable. Other potential residential uses of fuel cells include home space heating and water heating, as well as in automobiles. These types of systems are still in proto-type, but their potential use may be realized in the Yukon with access to hydrogen extracted from natural gas.

Feasible energy options are expanded with the availability of natural gas. Electricity prices in the Yukon may go down, by basing them on natural gas instead of diesel prices. Also, communities are not limited to only using piped natural gas for household heating and appliance use. If a local gas distribution system proves to be non-economic, a cogeneration electric plant, or a natural gas electric generator may be an attractive use of the resource. Like in other community power systems, natural gas could give the territory's communities the option of having municipally-owned systems, or a publicly-regulated but privately developed system.

5 Other Industrial and Business Development

Improved infrastructure, including the possibility of a railroad, and enhanced energy capacity may entice business development that would otherwise occur elsewhere. With the potential of the Mackenzie Delta gas being transported by either a Dempster Lateral or through the Mackenzie Valley, there are opportunities in the Yukon to provide logistical support, labour and other business opportunities. Possible onsite industries may involve the coating on the pipe, heavy equipment operators, contractors and other pipeline-related employment. With the possible construction of lateral lines to some Yukon communities and possibly mines, there may be sustained growth after the pipeline is built. This could also encourage further exploration of the resources available in the territory.

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[12] http://www.cityofrevelstoke.com/edc/dev-initiatives.htm, news release on 26 Nov 2001.

[13] Carrie Young, "Inuvik community greenhouse".w ww.cityfarmer.org/inuvik.html, City Farmer, Canada's Office of Urban Agriculture, 27 November 2001.

[14] Fuel Cells 2000, www.fuelcells.org/fctypes.htm.

Compressed natural gas (CNG) could be used for transportation in the territory. New developments regarding vehicle fuel storage systems have managed to halve the costs of the fuel tanks in early model natural gas vehicles (NGV).[15] This option may become viable in the Yukon with local access to natural gas, either from an Alaska Highway Pipeline or by road transport from Eagle Plain or the Peel Plateau gas fields.[16]

Other developments may include the expansion of the Yukon forestry industry. However, these and other small industries in the Yukon are likely to focus on the local niche markets.

5.1 Land Development

In the Yukon, the territorial government does most subdivision planning and development. In anticipation of the construction of the pipeline, the government developed a large amount of land in the late 1970s, most of which remained unsold until the late 1980s and early 1990s. This included the Kulan industrial subdivision, and McIntyre and Granger subdivisions. Studies commissioned by the Yukon government found that lot demand in Whitehorse would increase from 50-60 lots per year in a no net migration scenario, to about 100 lots per year in a high growth scenario (200 net in-migration into Whitehorse). [17] Further (industrial and commercial) land development is not expected to be necessary to facilitate the construction of the pipeline and would occur after pipeline construction if there were net gains in territorial population.

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[15] Office of Transportation Technologies, "Integrated natural gas storage system". In *Transportation in the 21st Century: Success story*, Dept. of Energy. www.ott.doe.gov/pdfs/integrated_natural_gas_mar_2001.pdf, March 2001.

[16] Yukon Department of Economic Development, www.economicdevelopment.yk.ca/publications/energy/oil%20and%20gas.htm.

[17] Luigi Zanasi, Inukshuk Planning and Development, Research Northwest and Data Path Systems, *Whitehorse Residential Land Demand: Analysis and Forecast*, Prepared for the Engineering and Development Branch, Community and Transportation Services, June 2000.
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US Energy Demand and Policies through 2020

Working Paper No. 4.4.1

March 2002

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Charles Saunders

Informetrica
Limited

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US Energy Demand and Policies through 2020

1 Introduction

Why look at the US demand for energy? The Prudhoe Bay natural gas is destined for delivery to the lower 48 states as the market. The proposed amount of natural gas shipped from Alaska to California or the mid-west is significant at 4 billion cubic feet per day or almost 1.5 trillion cubic feet per year for 25 years. Total US use of natural gas is expected to range from 22.8 trillion cubic feet per year in 2000 to 34.7 trillion cubic feet per year in 2020. The total increment to US natural gas use is 11.9 trillion cubic feet per year. North Slope gas would be 5 per cent of total US production in 2020 and 15 per cent of the increase in production over the projection period. Will this have any effects on projections of the US economy and energy? Is this natural gas already incorporated into the US projections?

2 Background

Demand for goods and services both domestically and internationally are the driving factors for the production of the economy. The production of any given product requires energy, which is for the most part independent of the fuel source of the energy. The technology used to produce a given commodity will dictate the required energy and fuel type.

The major sources of energy are oil, coal, natural gas and electricity (includes renewable resources like hydro, solar, wind, etc.). Electricity is generated by most of the energy sources because it can be transported long distances relatively cheaply and easily.

The basis of the energy model used by EIA, National Energy Modeling System, includes a consistent macroeconomic model in order to determine the energy demands of the economy as a whole. EIA also incorporates policies that have been implemented and anticipated investment schedules over the projection period into the energy model.

The US Base Case Scenario used by Informetrica can be compared to the macroeconomic inputs for the National Energy Modeling System (NEMS) to judge if the EIA forecast can be used in their published form.

2.1 Macroeconomic Trends: Energy Information Administration Report, 2001

The output of the US economy, measured by gross domestic product (GDP), is projected to increase by 3.0 per cent per year between 1999 and 2020. The projected growth rate for the labour force is approximately 0.9 per cent, which brings in annual productivity growth at 2.1 per cent between 1999 and 2020.

Growth in GDP slows in the latter half of the forecast period as the expansion of the labour force slows. Strong levels of labour productivity growth moderate the effects of weaker labour force growth. Total population growth is expected to remain fairly constant after 2000 at 0.9 per cent. The slowing growth in the size of the labour force is primarily a result of increasing size of population over the age of 65, which exhibits a lower participation rate. Labour force growth is projected to slow from 1.2 per cent, over the next five years, to 0.6 per cent annually in the last five years of the projection. Labour force productivity growth is expected to remain in the range of 2 per cent annually.

2.2 Macroeconomic Trends: Informetrica Limited Base Case Scenario

The output of the US economy is projected to increase by 3.0 per cent per year between 1999 and 2020. The projected growth rate for the labour force is approximately 0.8 per cent, which brings in annual productivity at 2.2 per cent between 1999 and 2020.

As in the EIA projection, both GDP and labour force growth slow in the latter half of the projection period. Labour productivity at or above 2.0 per cent annually is the opposing force to the weakening labour force expansion. Population growth is in line with the 'Middle' projection developed by the Census Bureau with annual growth of 0.9 per cent through 2020. Population shifts from high to lower participation rate groups, caused by aging of the population, is the key determinant of slowing labour force growth. Labour force growth is projected to slow from an annual rate of 1.0 per cent, in the next five years, to 0.6 per cent in the last five years of the projection. Labour force productivity growth is expected to remain at or above 2 per cent annually over the projection period.

2.3 Comparison: EIA and Informetrica Prospects for the US Economy to 2020

Major indicators for the US, shown in Figure 1, between the two projections the overall projection from 1999 to 2020 are very similar.

Figure 1: Comparison of GDP, Labour Force and Productivity between EIA and Informetrica Projections

	EIA Report 2001				
	1999-2020	2001-2005	2006-2010	2011-2015	2016-2020
GDP	3.0	3.2	2.9	2.9	2.4
Labour Force	0.9	1.2	1.1	0.8	0.6
Productivity	2.1	2.0	1.9	2.2	1.8

	Informetrica 2001				
	1999-2020	2001-2005	2006-2010	2011-2015	2016-2020
GDP	3.0	3.0	3.1	2.6	2.8
Labour Force	0.8	1.0	0.9	0.7	0.6
Productivity	2.2	2.0	2.1	2.0	2.2

Note: Inconsistencies are due to rounding errors

EIA growth is stronger in the front end with weaker expansion in the final five years to offset this early boost. Informetrica's expectations on labour force expansion is almost uniformly lower by 0.2 percentage points in the next decade, but this spread shrinks to zero by the close of the projection. The overall effect is a labour force in 2020 that is approximately 2.5 per cent lower in the Informetrica projection. Higher productivity assumptions, in the Informetrica projection, keep overall growth around the 3.0 per cent range. The Informetrica level of GDP is higher by 0.5 per cent in 2020.

Figure 2: Average annual growth rates for energy prices from 1999 to 2020, in constant 1999 US dollars.

	Informetrica 2001	EIA Report 2001
Natural Gas Wellhead Price	2.2 %	2.0 %
Oil Wellhead Price	1.3 %	1.3 %
Electricity price	0.5 %	-0.5 %
Coal Price	-2.9 %	-1.4 %

Expectations on the oil price at the wellhead in both cases are the same. Natural gas price at the wellhead is 0.2 per cent annually higher in the Informetrica scenario, which results in a difference of $0.16 per thousand cubic feet by 2020. The opposite direction of the electricity prices cause a more dramatic separation in prices by 2020 with Informetrica scenario 23.4 per cent higher in 2020. Coal prices in the Informetrica scenario are lower by 27.4 % by 2020.

The overall similarity of the projections suggests that we can use the EIA energy forecasts without adjustment as a Base Case view of US energy demand.

3 Demand for Energy by Fuel Type

The major sources of energy are oil, coal, primary electricity (hydroelectric, nuclear, solar, wind) and natural gas. Each energy source is discussed briefly with respect to supply and consumption, with a more detailed discussion of natural gas.

3.1 Sources of Demand

Projections for delivered energy consumption, energy delivered to the customer, will show annual increases of 1.3 per cent, while primary energy consumption, delivered energy plus the energy used in transportation to the customer, is expected to increase by 1.1 per cent. Primary energy use is anticipated to reach 127 quadrillion Btu by 2020.

The energy use to GDP index has been steadily falling since 1970. This trend is anticipated to continue but at a more moderate rate, in this projection. This is caused by annual growth of 3.0 per cent of GDP and 1.3 per cent growth of delivered energy consumption. This implies an efficiency increase of 1.3 per cent per year.

Petroleum will remain the largest source of energy followed closely by electricity, with both ranging around 50 quadrillion Btu by 2020. Natural gas is expected to meet 24.7 per cent of total demand for energy at the 20 quadrillion Btu range by 2020.

Industrial, transportation, residential and commercial sectors are in the order of share of demand of primary energy consumption. Industrial use by 2020 will account for 34 per cent of total energy use at 43 quadrillion Btu annually. Transportation use by 2020 will account for 39 quadrillion Btu annually of total demand, or 31 per cent. Residential and commercial will make up 19 per cent and 17 per cent, respectively, or 24 quadrillion and 21 quadrillion Btu annually by 2020.

3.1.1 *Electricity Generation*

Electricity is generated from two major sources fossil fuels and non-fossil fuels. Primary electricity will consist of electricity generated from fossil fuels like coal, oil and natural gas. Electricity from non-fossil fuels for this paper will be defined as secondary electricity, which will consist of nuclear, wind, geothermal, solar thermal, solar photovoltaic, municipal solid waste, biomass and conventional hydropower.

In 1999, in order of importance, the major sources of electricity generation are coal, nuclear, natural gas, renewable resources and oil. Over the next two decades, there is an anticipated shift to natural gas generation of electricity from coal and nuclear.

Electricity demand by end-use sectors is expected to increase by 1.8 per cent annually from 1999 to 2020, which is well below the annual US GDP growth of 3.0 per cent for the same period. Commercial, residential and industrial demand for electricity will expand by 2.0, 1.9 and 1.4 per cent, respectively, from 1999 to 2020.

3.1.2 *Supply and Demand of Primary Electricity Generation*

The rapid growth of primary electricity from natural gas will increase primary electricity production to over 80 per cent of total electricity production by 2020 from over 66 per cent in 1999.

Coal-fired power plants produced 1,880 billion kilowatthours, or 51 per cent of total electricity generated in 1999. This is expected to increase to 2,350 billion kilowatthours by 2020, but coal's share of electricity generation is expected to decline to 44 per cent of total generation. Rapid growth of natural gas generators over the projection period is the main source of market share decline. **Natural gas generators will produce 36 per cent of the total electricity produced in 2020, up significantly from 16 per cent in 1999.** Electricity generation from oil is expected to remain small over the projection period and decline in both production and share by 2020.

Electricity generation from coal (excluding cogeneration) is expected to rise by a total of 28.5 per cent, or from 923 million tons in 1999 to 1,186 million tons in 2020. This is due to a combination of new capacity added in the later years of the projection and greater utilization of existing capacity.

Natural gas consumption for electricity generation (excluding cogeneration) is anticipated to rise by 7.5 trillion cubic feet over the projection period, from 3.8 trillion cubic feet in 1999 to 11.3 trillion cubic feet in 2020. By 2017, electricity generation is expected to lead demand for natural gas due to relatively less capital intensity than other generating plants and environmental advantages also favour increased utilization of natural gas.

Fuel input prices for electricity generators (1999$ per million Btu) are falling for coal over the projection period but oil and natural gas prices rise slowly. Although natural gas prices are rising, relative to coal, capital costs per kilowatthour for gas generators remain significantly lower than coal-fired power plants.

3.1.2.1 Industrial Sector

Industrial output growth is expected to average 2.6 per cent per year from 1999 to 2020, but primary energy consumption will be more in the range of 1.0 per cent annually. Electricity use is anticipated to expand by 1.4 per cent annually through 1999 to 2020. Natural gas use by the industrial sector is expected to grow at 1.3 per cent per year. Petroleum and coal consumption by this sector will expand annually by 1.1 per cent and 0.1 per cent, respectively.

Heat and power required in manufacturing accounts for two-thirds of the primary energy consumed by this sector. Non-fuel use of energy will expand by 1.2 per cent annually over the projection period while heat and power consumption will grow by 1.0 per cent per year. Structural shifts in the makeup of the US economy will account for two-thirds of the decline in energy intensity in the industrial sector over the projection period.

3.1.2.2 Transportation Sector

Motor gasoline makes up 55 per cent of total demand in this sector, and will be expanding at 1.4 per cent annually. Strong output growth in the industrial sector leads to transportation sector growth of 2.3 per cent annually. Low jet fuel prices will lead to increased air travel of 3.6 per cent annually and 2.6 per cent per year expansion of jet fuel use.

3.1.2.3 Residential Sector

Residential energy consumption is anticipated to exhibit a total increase of 28 per cent by 2020 over the 1999 consumption levels. Over 75 per cent of energy use is in the form of electricity and this trend is expected to continue. Natural gas is able to increase its share of energy use with growth of 1.3 per cent annually, but this is mainly through shifts from other fossil fuels.

Space heating and cooling, water heating and lighting all exhibit moderate increase in energy consumption over the projection period. Refrigeration energy consumption actually declines at 2.0 per cent per year through 2020. The "all other" category of energy use will exhibit the most dramatic increases in energy demand, and is made up of computers, dishwashers, clothes washers and dryers. Currently, "all other" accounts for 30 per cent of residential energy use and by 2020 this is expected to increase to 40 per cent.

3.1.2.4 Commercial Sector

Electricity is expected to continue to supply 75 per cent of commercial energy consumption over the projection period. Likewise, natural gas will remain at approximately 20 per cent of primary energy consumption by the commercial sector.

Energy use is expected to increase for almost all end use sources of demand with the exception of cooling which remains relatively flat. The high growth categories of energy consumption include personal computers at an annual rate of 4.5 per cent and 3.5 per cent growth by fax machines and copiers.

4 Supply of Energy by Source

4.1 Secondary Electricity Generation

This projection anticipates that nuclear power plants will be substituted by existing or new natural gas-fired power plants over the projection period. This will lead to a decrease in total current operating capacity of nuclear plants by 27 per cent by 2020. Furthermore, there is currently no expected investment for new nuclear power plants over the projection period.

Renewable resources expand by 15 per cent or a total of 59 billion kilowatthours by 2020 from a 1999 level of 389 billion kilowatthours. Conventional hydropower declines over the forecast period by 10 billion kilowatthours, while non-hydropower sources expand by 69 billion KWH. Biomass and municipal solid waste are the major sources for growth of renewable resource generators of electricity in the US.

Relative electricity prices are anticipated to decline by 0.5 per cent annually from 1999 to 2020, due primarily to competition among electricity suppliers.

4.2 Oil

The nominal price of oil is expected to rise to over $36 per barrel by 2020, whereas in real 1999 dollars the anticipated price is expected to be $22.41 per barrel by the close of the projection compared to $17.46 per barrel in 1999. So real growth of oil prices will be about 1.2 per cent annually.

By 2020, total worldwide demand for oil is anticipated to come in at 117 million barrels per day, with Asian countries having the fastest annual growth around 3.9 per cent. OPEC production is projected to almost double the 1999 level to 58 million barrels per day in 2020. Non-OPEC producers will make up the remaining demand of 59 million barrels per day, with key production growth coming from Canada, Australia, Mexico, privatization of South American reserves, and the former Soviet Union. Persian Gulf producers are expected to increase to 50 per cent of world trade by 2002 and increase to 62 per cent by 2020, with both Saudi Arabia and Iraq doubling their current production capacity.

OPEC is anticipated to provide approximately 50 per cent of US imports of petroleum by 2014 then increase further to 52 per cent by the close of the projection.

Worldwide capacity for refining crude oil will increase from 80.3 million barrels per day in 1999 to more than 125 million barrels per day by 2020. The most significant increases come from the Asia/Pacific region followed by the Middle East.

Wellhead prices for crude oil in the lower 48 states are anticipated to increase by 1.3 per cent per year from 1999 to 2020, in real 1999 dollars[1].

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[1] This does not include Alaska.

Completions of oil and natural gas wells are projected to increase at a rate of 4.0 per cent annually over the projection period. Total lower 48 crude oil production is anticipated to exceed total reserve additions.

Domestic supply of petroleum is anticipated to decline from the 1999 level of 9.5 million barrels per day to 9.3 million barrels per day by 2020. Consumption of petroleum will increase from 19.5 to 25.8 million barrels per day from 1999 to 2020, respectively. Increased oil imports will need to fill the widening gap between domestic consumption and production. **Oil imports are expected to rise from 10.0 million barrels per day in 1999 to 16.5 million barrels per day by 2020. Net imports of petroleum accounted for 51 per cent of US consumption of oil but this will rise to 64 per cent by 2020.**

The majority of the consumption increase will come from the transportation sector, accounting for 5.6 of the 6.3 million barrels per day increase that occurs over the next two decades. Industrial sector increases petroleum demand by 1.1 million barrels per day over the projection period. Slight declines in demand from the residential, commercial sectors as well as electricity generation complete the picture.

Motor gasoline consumption is projected to rise from 8.4 million to 11.3 million barrels per day from 1999 to 2020, while distillate fuel will increase by 1.6 million barrels per day over the same period. Increased air travel is expected to boost jet fuel consumption by 1.2 million barrels per day in 2020 over the 1999 level.

4.3 Coal

Low-sulphur coal production is expected to increase at 2.0 per cent annually from 1999 to 2020, or an increase from 490 to 740 million tons per year. High and medium-sulphur coal production will decline at 0.2 per cent per year over the projection period or from 616 to 592 million tons. Overall growth of 1.8 per cent annually for total coal production is expected.

Coal prices over the projection period will decline annually at 1.4 per cent or from $5.80 per ton in 1999 to $4.28 per ton in 2020. This will equate to a 1.1 per cent annual decline in the price of coal that is delivered to electricity generators.

Consumption of coal is expected to increase by 262 million tons from 1035 million tons in 1999. The entirety of this increase is attributed to increased production of electricity generated from coal-fired power plants. Electricity generation accounts for approximately 90 per cent of total coal consumption. Coal exports are expected to remain around 56 to 58 million tons over the projection period. This will result in the US international coal trade share to decline from 11 per cent to 8 percent by 2020.

4.4 Natural Gas

4.4.1 *Price*

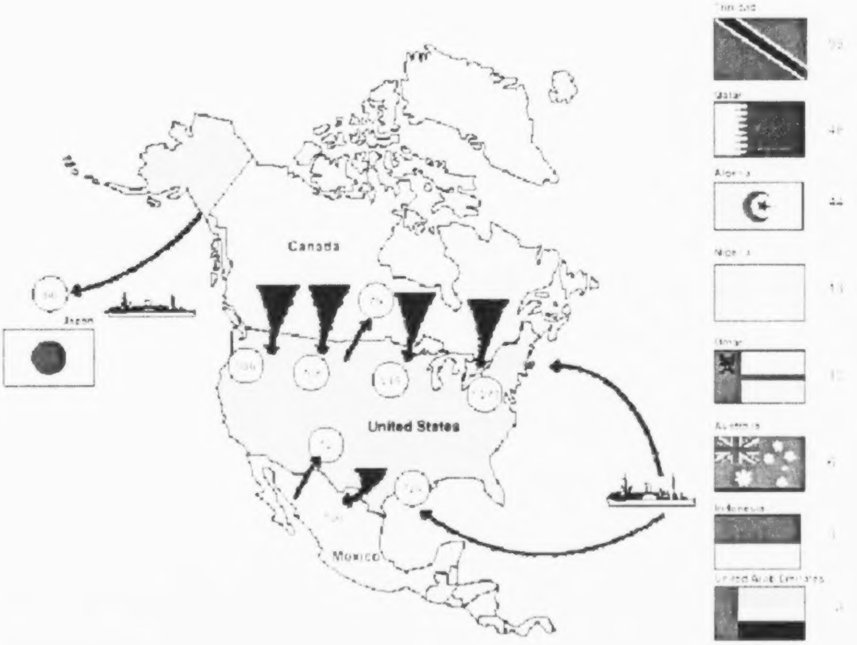
Natural gas prices at the citygate are expected to rise from $3.10 per thousand cubic feet to $4.04 per thousand cubic feet, in 1999 dollars, or an increase of 1.3 per cent annually.

Wellhead natural gas prices for the lower 48 are expected to increase by 2.0 per cent annually, in real 1999 dollars, this translates to $2.08 per thousand cubic feet in 1999 and $3.13 per thousand cubic feet in 2020. This means that pipeline transportation margins are decreasing over the projection period at a rate of 0.5 per cent annually.

4.4.2 *Supply and Sources*

US production is anticipated to expand from 19.3 trillion cubic feet to 29 trillion cubic feet from 1999 to 2020, respectively. This equates to annual growth of 2.0 per cent over the projection period. This production level in 2020 would be possible by increasing the current number of wells from around 11 thousand to 24 thousand by 2020.

Figure 3: US Natural Gas Imports and Exports, 2000



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Proven reserves were estimated at 164 trillion cubic feet in 1999 whereas the estimated production will total 500 trillion cubic feet over the projection period. This requires that proven reserves must increase at a minimum rate of 3.7 per cent annually just to keep up with expanding production, while exhausting total proven reserves completely.[2] The US production increases do

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[2] This rate of increase in the proven reserve volume is overstated because it has associated with it complete exhaustion of proven reserves by the close of the projection. In actuality, it is expected that there will be reserves remaining at the end of the projection period, which would lower growth rate of proven reserves.

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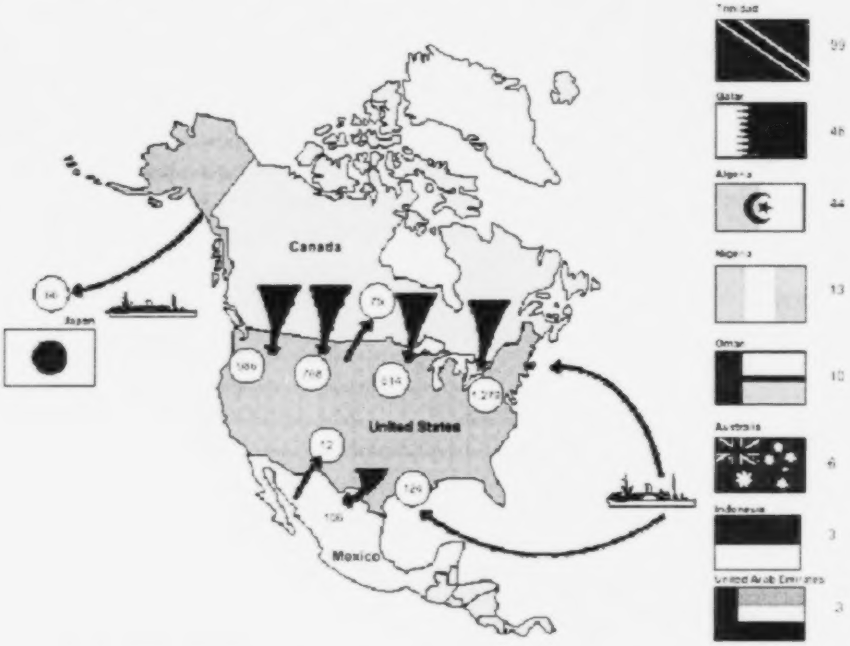
Trinidad
99
Qatar
46
Algeria
44
Nigeria
13
Oman
10
Australia
6
Indonesia
3
United Arab Emirates
3
Canada
Japan
United States
Mexico
986
768
73
514
1,272
12
124
105

Note: Numbers shown are billion cubic feet
Source: U.S. Department of Energy, Office of Fossil Energy, *Natural Gas Imports and Exports Fourth Quarter Report 2000*, DOE/FE-0428 (Washington, DC)

Proven reserves were estimated at 164 trillion cubic feet in 1999 whereas the estimated production will total 500 trillion cubic feet over the projection period. This requires that proven reserves must increase at a minimum rate of 3.7 per cent annually just to keep up with expanding production, while exhausting total proven reserves completely.[2] The US production increases do not include any supply of North Slope gas to the lower 48 states. It is assumed that Alaska will continue to ship small amounts of liquefied natural gas (LNG) to Asian markets with only moderate growth through to 2020.

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[2] This rate of increase in the proven reserve volume is overstated because it has associated with it complete exhaustion of proven reserves by the close of the projection. In actuality, it is expected that there will be reserves remaining at the end of the projection period, which would lower growth rate of proven reserves.

Net natural gas imports are expected to increase from 15.8 per cent of gas consumption to 16.7 per cent by 2020. This equates to an increase of 5.8 trillion cubic feet of imported natural gas. The majority of natural gas imports come from western Canada and some new sources from Sable Island, offshore in the Atlantic. Currently the US is a net exporter to Mexico with trade at 60 billion cubic feet in 1999, but this is expected to increase to 520 billion cubic feet by 2020.

Figure 3 provides a more detailed breakdown of US international trade in natural gas. Natural gas trade with Mexico is small, however Mexico has considerable reserves that will be utilized in converting heavy fuel oil power plants to natural gas power plants in Mexico.

4.4.3 *Consumption*

Consumption of natural gas is expected to grow from 21.4 trillion cubic feet in 1999 to 34.7 trillion cubic feet by 2020. This is at a rate of 2.3 per cent annually or a total increase of 13.3 trillion cubic feet. This growth is driven by exceptionally strong demand growth from electricity generation but reasonable demand increases from all the major sectors are also important for growth.

Industrial sector demand will expand at approximately 1.2 per cent annually which will account for 2.2 trillion cubic feet of the total increase in demand by 2020. This increase comes from metal durables and bulk chemical sectors.

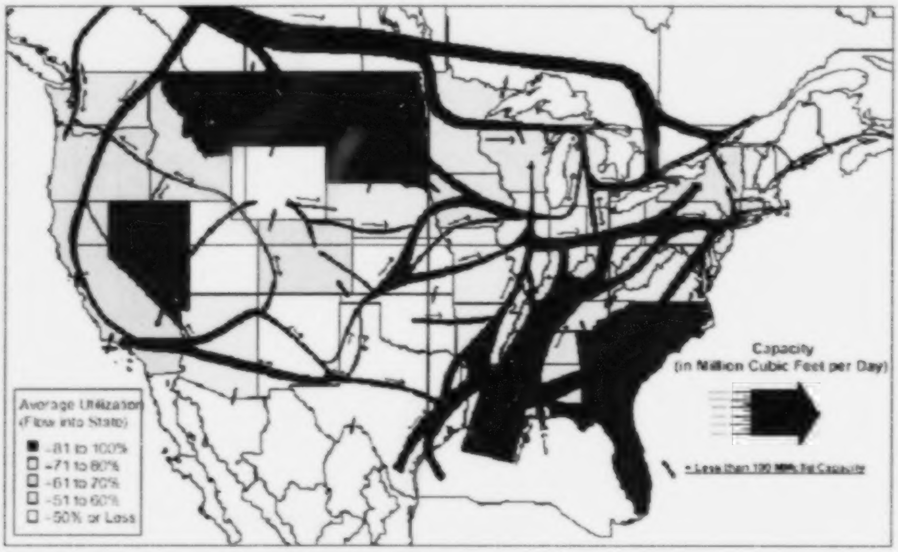
Residential and commercial sectors will expand at a combined rate of 1.3 per cent per year, for a total increase of 2.4 trillion cubic feet. This expansion is driven by steady consumer prices, increased housing size and the expansion of the housing and building stock.

The market share of electricity generation by natural gas is expected to increase from 16 per cent in 2000 to 36 per cent in 2020. This increases demand by 3.8 trillion cubic feet in 1999 to 11.3 trillion cubic feet by 2020.

4.4.4 *Transmission and Distribution*

Over the projection period, interregional pipeline capacity will expand in total by 22 per cent. International trade capacity will expand from 125 billion cubic feet per day in 1999 to 152 billion cubic feet per day by 2020. This added capacity would be used to access new and expanded production areas such as deep offshore and unconventional sources and Canada Figure 4 shows the patterns of distribution of natural gas throughout the US. Key features include the significant source from both Canada and the Gulf of Mexico.

Figure 4: US Natural Gas Pipeline Transportation Corridors and Average Interstate Pipeline Utilization Rates by State, 1999


Capacity
(in Million Cubic Feet per Day)
= Less than 100 MMcf/d Capacity
Average Utilization
(Flow into State)
■ -81 to 100%
☐ -71 to 80%
☐ -61 to 70%
☐ -51 to 60%
☐ -50% or Less

Note: The average utilization rate does not reflect seasonal load variations, which could be significant for some pipelines and States, especially in the northern tier of the country.

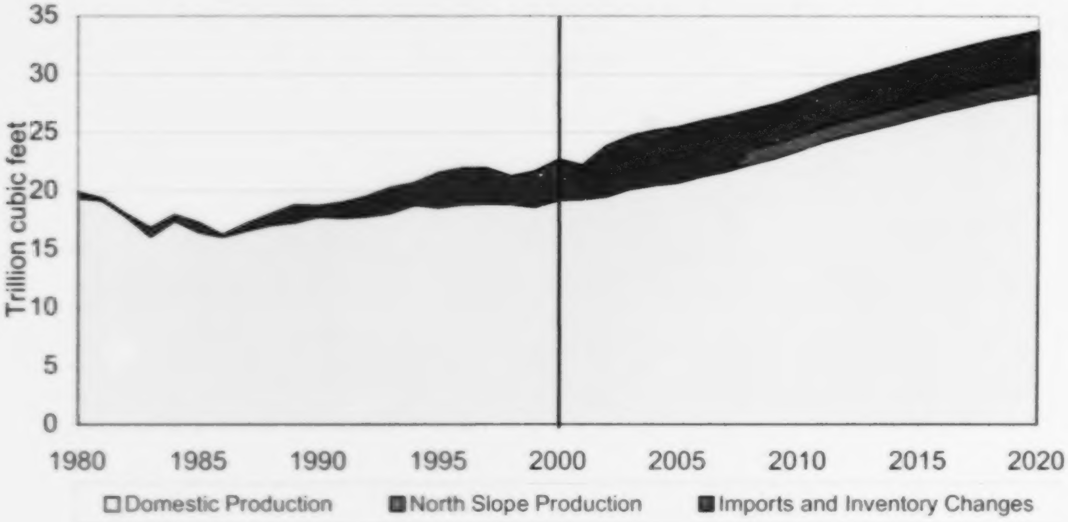
Source: Energy Information Administration, EIAGIS-NG Geographic Information System, Natural Gas Pipeline State Border Capacity (as of December 2000).

5 Conclusion

Natural gas consumption expands by 2.3 per cent annually, which equates to approximately 0.6 trillion cubic feet increase per year. Assuming that AHPP could be built and operational by 2008, annual consumption would have risen by 4.9 trillion cubic feet. The effect of Prudhoe Bay natural gas on imports is shown in Figure 5. This northern natural gas should displace import expectations by 1.3 trillion cubic feet per year for 2008 through 2020. The northern gas would account for 4.7 per cent of consumption, but displace 27 per cent of projected imports.

Does the Alaska supply represent the incremental supply necessary to allow the demand forecasts to materialize, or will there be a major negative effect on Canadian producers with the loss of natural gas exports to the US? Positive effects, excluding construction benefits, could come through increased market size with natural gas available to remote northern markets in both Canada and US, and the excess supply could be enough to reduce the price in both Canada and the lower 48, thereby benefiting the consumer.

Figure 5: Effect of North Slope Production (3.5 Bcfd) on EIA expectations of Imports and Lower 48 Production



6 Update for EIA2002

Energy demand is very similar in both the EIA2001 and EIA2002, with the exception that nuclear power generation of electricity is significantly lower. But this remains a small part of total energy supply.

Higher world oil price is expected by 2020 in the current projection, at US$42.12 per barrel versus US$36.03 per barrel (nominal dollars). This leads to a higher nominal natural gas wellhead price in EIA2002 at US$5.56 per Mcf versus US$5.03 per Mcf.

Consumption in EIA2002 anticipates 33.8 trillion cubic feet, of which 28.5 trillion cubic feet is supplied domestically and 5.5 trillion cubic feet comes from imports. Consumption in EIA2001 anticipates 34.7 trillion cubic feet, of which 29.0 trillion cubic feet is supplied domestically and 5.8 trillion cubic feet comes from imports. The higher price in the current projection results in a 0.9 trillion cubic feet reduction in demand.

The overall story of both EIA projections on natural gas demand is virtually unchanged, but with slight modifications on the price and price elasticity effects on consumption and production.

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Direct Effects of the Alaska Highway Pipeline Project

Working Paper No. 5.1.1

March 2002

Charles Saunders

Informetrica
Limited

Direct Effects of the Alaska Highway Pipeline Project

Overview of the Project

The Alaska Highway Pipeline Project (AHPP) is a pipeline that traverses 2817 km (1,750 miles[1]) from Prudhoe Bay in Alaska to Gordondale in Alberta. The intent of this project is to bring natural gas from the Alaskan North Slope to markets in the lower 48. Existing pipeline infrastructure in Alberta and Saskatchewan will accommodate the gap from Gordondale to the lower 48 markets.

The pipe used for this project will be a 42" outside diameter pipe with a working pressure of 2050 psi and a steel grade of X80 (80,000 psi).[2] Initial flow rate of 2.5 billion cubic feet per day (Bcf per day) would begin in November of the sixth year after initiation of the project, we have assumed that the project begins in 2002 so "initial" throughput begins in 2007. Annual increase of 0.3 Bcf per day is achieved through continued investment in compressors, such that by 2012 (eleventh year) the "ultimate" working flow rate is realized at 4 Bcf per day.

The natural gas from Prudhoe Bay is assumed to have a heat content of 1.065 MMBtu per Mcf[3] (millions of British thermal units per thousand cubic feet). The heat content affects the delivered price when the gas is used, but the transmission costs are calculated in volume terms ($ per Mcf).

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[1] Detailed tables show 1,746 miles, which has been used in the rest of the reports.

[2] Specifications for this project presented have the thickness of the pipe walls at 0.75-inch. Newer higher-pressure designs would require thicker pipe walls, but the thicker walls increases the difficulty of domestic procurement.

[3] Specified by Foothills.

General Segment Distribution

The total capital expenditure for the AHPP is approximated at $13,617 million[4] in constant 2000 dollars or US$9,078 million[5]. This excludes annual price escalation of 1.5 per cent, which makes up the remaining US$622 million of the pipeline's nominal dollar capital estimate of US$9,700 million.[6] The Canadian Segment of the project will account for 51 per cent of the total or $6,991 million, of which $3,369 million (48%) is in the Yukon, $2,638 million (38%) in British Columbia and $983 million (14%) in Alberta.

The peak annual expenditure for the Alaska Highway Pipeline Project is $4,064 million in 2006. 70 per cent of total expenditure takes place during 2005 through 2007 with a profile of 24, 30 and 16 per cent respectively for the three years. The Alaska segment is slightly higher in 2006 at 32 per cent of its total expenditure while the Canadian segment is at 28 per cent. Both Alaska and Canada have similar expenditure levels of approximately $1,600 million in 2005, $2,000 million in 2006 and $1,050 million in 2007. This peak coincides with high expenditures on both pipe and pipe installation.

The total length of pipe in Canada will be 1617 km or 58 per cent of the total project, which is split between the Yukon, British Columbia and Alberta at 832 km, 721 km and 64 km, respectively. The capital expenditure breakdown differs from the length of pipe breakdown because of differing terrains that increase costs associated with installing the pipe, number of compressors and whether or not chilling equipment for use in permafrost is required.

The initial flow rate requires 12 compressors and 3 metering stations, and increases to 40 compressors with ultimate gas flow rate in 2012. The metering stations are situated at Prudhoe Bay, Alaska-Yukon border (Yukon) and Gordondale Alberta. The initial distribution of compressors is 5 in Alaska, 3 in Yukon and 4 in British Columbia, which increases to 16, 10 and 14, respectively, with ultimate flow rate.

The total tariff is $1.57 per thousand cubic feet (constant 2000 Canadian dollars) or US$1.05 per thousand cubic feet.[7] The tariff is based on a real discount rate of 13.25 per cent, the total capital expenditure, along with the operations and maintenance expenses over the lifetime of the pipeline (25 years).[8] Operations and maintenance costs per year are approximately 1 per cent of total capital expenditure.

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[4] All dollar values are given in Canadian constant 2000 dollars, unless stated otherwise.

[5] The Canadian to US dollar exchange rate is 1.50 or Cdn$1.50 = US$1.

[6] Also some differences in determining interest during construction and rounding have resulted in differences in Foothills and Informetrica total capital expenditure estimates.

[7] Further conversion of the tariff into transport cost by heat value is approximately US$0.98 per MMbtu, which is one cent higher that estimates received from Foothills.

Table 1: Profile of the Alaska Highway Pipeline Project over Time and by Region (Cdn$millions)

		Profile of Capital Expenditure										
	Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Alaska Segment	$ 6,627	$ 111	$ 131	$ 508	$ 1,540	$ 2,091	$ 1,085	$ 343	$ 340	$ 272	$ 137	$ 68
Canada Segment[1]	$ 6,990	$ 149	$ 178	$ 622	$ 1,676	$ 1,973	$ 1,053	$ 395	$ 393	$ 314	$ 158	$ 79
Yukon Segment	$ 3,369	$ -	$ -	$ 238	$ 833	$ 1,004	$ 536	$ 223	$ 222	$ 178	$ 89	$ 45
British Columbia Segment	$ 2,638	$ -	$ -	$ 195	$ 667	$ 786	$ 417	$ 169	$ 168	$ 134	$ 68	$ 34
Alberta Segment	$ 983	$ 149	$ 178	$ 189	$ 176	$ 183	$ 100	$ 2	$ 2	$ 2	$ 1	$ 1
Total Project	$ 13,616	$ 260	$ 309	$ 1,131	$ 3,216	$ 4,064	$ 2,138	$ 737	$ 733	$ 586	$ 295	$ 148
Natural Gas Flow (Bcf/d)[2]							2.5	2.8	3.1	3.4	3.7	4.0

1 Canadian portion of the project is specified as the Alaska-Yukon Border to Gordondale Alberta

2 Billion cubic feetp er day and this flow rate is fixed from November of current year to November of the next year

N.B. All dollar amounts are given in constant 2000 dollars.

Table 2: Distribution of Project Capital Cost, Distance and Calculated Tariff

	Expenditure by Segment			Length of Segment			Tariff[2]			Compressors	
	Cdn$mn	US$mn[3]		miles	km		Cdn$	US$[3]		Initial	Ultimate
Alaska Segment	$ 6,627	$ 4,418	49%	741	1,193	42%	$ 0.766	$ 0.511	49%	5	16
Canada Segment[1]	$ 6,990	$ 4,660	51%	1,005	1,617	58%	$ 0.805	$ 0.537	51%	7	24
Yukon Segment	$ 3,369	$ 2,246	48%	517	832	51%	$ 0.435	$ 0.290	54%	3	10
British Columbia Segment	$ 2,638	$ 1,758	38%	448	721	45%	$ 0.348	$ 0.232	43%	4	14
Alberta Segment	$ 983	$ 655	14%	40	64	4%	$ 0.023	$ 0.015	3%	0	0
Total Project	$ 13,616	$ 9,078		1,746	2,810		$ 1.572	$ 1.048		12	40

1 Canadian portion of the project is specified as the Alaska-Yukon Border to Gordondale Alberta

2 Given in dollars per thousand cubic feet. Calculated using Cost-Benefit Framework and Operation Phase Cost of 1% of total CAPEX.

3 Exchange rate is assumed to be such that $1.50 Canadian is equal to $1.00 US.

N.B. The remaining $622 million (US$) of the quoted $9,700 million for the Ultimate AHPP is accounted for by a 1.5 % annual escalation of prices.

N.B. All dollar amounts are given in constant 2000 dollars.

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[8] However, the expected return on equity is 14 per cent annually.

Operations Phase

The flow of gas begins on November 1st of 2007 at 2.5 Bcf per day and is increased each subsequent November by 0.3 Bcf per day until reaching a maximum (or ultimate) of 4.0 Bcf per day in 2012. This increase is achieved through the addition of compressors during this period from the initial 12 to an ultimate 40 compressors.

We have assumed for simplicity that the increase in compressors required to increase production is linear, but this is not quite correct. The volume to compressor ratio initially is 0.21 Bcfd/compressor that decreases to 0.10 Bcfd/compressor with the ultimate volume. This means that each successive compressor is on average 13.7 per cent less efficient than the previous compressor. Increasing from 2.5 Bcfd to 2.8 Bcfd should require the addition of 4 compressors, whereas the increase from 3.7 to 4.0 Bcfd should require 8 additional compressors. Our linear approximation results in an over-approximation in 2008 and 2009 and an under-approximation in 2010 through 2012, but this error is small when broken down regionally.

Employment[9] requirements for the operations phase is determined by the number of compressor stations, number of metering stations, length of pipe in region, and location of an operations and maintenance centre. There are three operations and maintenance centres in Alaska, Yukon and British Columbia, which consist of 25 employees each. The operations and maintenance centres consist of managers, supervisors, administration, engineers and finance personnel. Compressor stations require service 24 hours for 7 days a week. This approximates to 9.5 employees per year per compressor station. Metering stations follow the same pattern as the compressor stations. This would mainly consist of engineers, technicians and mechanics. The final component of employment comes from the maintenance and security of the right-of-way for the pipeline. We have assumed that it would take 1 person to maintain a 50 km stretch. This would be more likely done in groups by both air and land transport. These employees provide pipeline security, check for leaks and keep the land clear of anything that can harm the pipeline. The total employment requirements are 572 person years, 227 in Alaska and 345 in Canada, specifically 155 in the Yukon, 180 in British Columbia and 10 in Alberta.[10]

Tariff revenue increases from $239 million for two months in 2007 to ultimate revenue of $2,295 million per year in 2013 for the remainder of the 25-year lifespan. The 51 per cent of total pipeline revenue is in Canada at $1,176 million per year 2013 onward, of which $635 million is in the Yukon, $508 million in British Columbia and $33 million in Alberta. The Yukon's economy gross domestic product is approximately $1,000 million, so the tariff revenue is expected to provide a significant increase to the apparent size of the Yukon economy[11].

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[9] Employment numbers are based on person years at 35.5 hrs per week and 240 days per year. This includes approximations for vacation and sick days.

[10] O&M employment requirements have been adjusted for this paper to reflect new information, but will not be reflected in National and Provincial Impacts.

[11] Most of the tariff revenue is classified as gross domestic product, except for modest purchases of goods and services. The majority of the GDP is classified as operating surpluses, some unincorporated income and labour compensation. The operating surpluses are used to pay back the accumulated debt during construction and provide a return on equity.

Table 3c shows the direct installation employment of the pipe, compressors and meter stations. This employment data has mainly been used to examine the occupational requirements for each type of construction. This employment data does **not** include employment used to move the pipe, compressors and other material inputs to the stockpile sites. Also the front-end employment requirements have yet to be determined, which includes engineering, project development, regulatory, research, socio-economic, project management and construction management. However, the cost of these components has been determined and much of this activity will be centred in Alberta. The total impact on construction employment will be higher as these additional items are taken into account particularly in peak years of construction.

The original data provided was given in person days by occupation for a given activity, specifically pipe, compressor, and meter station installation. Also the raw data was specific for a previous study commissioned by Foothills from Wright Mansell Research Limited and Northern Economics Incorporated.[12] So adjustments were made to align the data with the current capital expenditure profile. All data was shifted to one year later, so 2004 became 2005, this is because the previous study initiated the project a year earlier. Compressor requirements were extended out to 2012 to complement the compressor logistics profile by segment, and additional compressors were added at a rate of 12,000 person days per compressor. Finally, the person days were converted to a full-time equivalent employment scale by using 100 days per worker. These workers will work 11-12 hours per day for 6 days a week in the winter and 7 days a week in the summer. The upper limit of this construction employment schedule is equivalent to a full time 35-hour workweek for a year (240 days, which includes vacation and sick days).

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[12] This study is confidential so all requests to review this document must be made through Foothills Pipe Line Limited. *The Economic Impacts of Northern Gas Development*, February 2001.

Table 3a: Employment during Operations in Person Years [4]

	2005	2006 [2]	2007	2008	2009	2010	2011	2012	2013 [3]	2014	2015	2016
Alaska Segment	**0**	**42**	**75**	**126**	**147**	**168**	**189**	**209**	**227**	**227**	**227**	**227**
Canada Segment[1]	**0**	**68**	**113**	**190**	**222**	**254**	**286**	**318**	**345**	**345**	**345**	**345**
Yukon Segment	0	34	57	91	104	117	130	144	155	155	155	155
British Columbia Segment	0	33	54	88	107	126	145	164	180	180	180	180
Alberta Segment	0	1	3	10	10	10	10	10	10	10	10	10
Total Project	**0**	**110**	**189**	**316**	**369**	**422**	**475**	**528**	**572**	**572**	**572**	**572**

1 Canadian portion of the project is specified as the Alaska-Yukon Border to Gordondale Alberta

2 The pipeline is operational in November of2 007, but head offices are set up in 2006 (Alaska and Whitehorse)

3 Employment remains at these levels through the remainder of the impact.

4 Person year is assumed to be equivalent to a 35.5 hrs/week. However the Statistics Canada Publicaticn: Estimates of Employment, Earnings and Hours; Finds that the average work week for the pipeline industry risen from 35.2 hours per week in 1983 to 39.7 hours per week in 1999, which would reduce the employee requirements by 26 person years from 2013 forward.

Table 3b: Tariff Income for Transport of Pipeline Service (Cdn$millions)

	2005	2006 [2]	2007	2008	2009	2010	2011	2012	2013 [3]	2014	2015	2016
Alaska Segment	**0**	**0**	**117**	**713**	**797**	**881**	**965**	**1049**	**1119**	**1119**	**1119**	**1119**
Canada Segment[1]	**0**	**0**	**123**	**750**	**838**	**926**	**1014**	**1103**	**1176**	**1176**	**1176**	**1176**
Yukon Segment	0	0	66	405	452	500	547	595	635	635	635	635
British Columbia Segment	0	0	53	324	362	400	438	476	508	508	508	508
Alberta Segment	0	0	3	21	24	26	29	31	33	33	33	33
Total Project	**0**	**0**	**239**	**1463**	**1635**	**1807**	**1979**	**2152**	**2295**	**2295**	**2295**	**2295**

1 Canadian portion of the project is specified as the Alaska-Yukon Border to Gordondale Alberta

2 The pipeline is operational in November of2 007 at initial rates of 2.5 Bcf per day and increases to 4.0 Bcf per day by November 2012.

3 Tariff income remains at these levels through the reminder of the impact

N.B. All dollar amounts are given in constant 2000 dollars.

Table 3c: Specific Employment requirements for Installation; Pipeline, Compression and Meter Stations

	Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Alaska Segment	**4,568**				381	1,817	1,763	179	179	143	72	36
Canada Segment	**9,496**				1,011	3,897	3,664	272	272	217	109	54
Yukon Segment	4,578				510	2,305	1,377	114	114	91	46	23
British Columbia Segment	4,309				501	1,396	1,875	158	158	126	63	32
Alberta Segment	609					197	412					
Total Project	**14,065**				**1,392**	**5,714**	**5,427**	**451**	**451**	**361**	**180**	**90**

N.B. Does not include employment required for the mobilization of the pipe, compressors and metering equipment to the stockpile sites.

This estimate does **not** include employment from project management, engineering and construction management.

Construction Phase

Total capital expenditure is broken down into six main groups: pipeline materials, pipeline construction, engineering, interest during construction, other costs and compressors, chiller train, etc. The major component of pipeline materials is the pipe, but it also includes valves, fittings, casing pipe, cathodic protection and coating. Pipeline construction consists mainly of the employment required to install the pipeline materials, but also includes inspection, trenching, rock blasting and clearing, sand padding and contingencies. Engineering costs include other professions like project and construction management as well as expenditure for gathering both environmental and geotechnical data.

Compressors, chiller train, etc. includes compressor materials, chiller train materials, cooling bays, compressor stations logistics, meter stations, and SCADA[13] and communications. Compressor materials consist primarily of the compressor, which is commonly a modified jet engine, but also includes valves, fittings, concrete base for the compressor, and outer housing around the compressor. The chiller train is required in areas of permafrost to keep the external temperature of the pipe at or below zero degrees. This prevents the permafrost from thawing, which would result in the ground collapsing or shifting thereby adversely affecting the integrity of the pipeline. Cooling bays are used to keep the temperature of the natural gas close to 0° Celsius. Compressor station logistics is the installation of the compressors, chiller trains and cooling bays. Metering stations are monitoring sites to continuously determine the flow rate of the natural gas; costs include both materials and installation. SCADA and communications provides the link between headquarters, regional offices, field offices and the pipe control, costs include both materials and installation.

Other costs include project development, regulatory costs, costs of socio-economic studies, research costs and land rights, and operation and maintenance. The operation and maintenance capital costs include personnel, commissioning, facilities, spare parts and inventories, but these costs are associated with the construction phase and are not part of the operations phase of the project. The purchase of land is used for the location of operation and maintenance facilities, compressor and meter stations, but land is not considered part of the investment schedule by the National Income and Expenditure Accounts (NIEA) definition. Consequently, we have removed an arbitrary $1 million from the investment in Canada to account for this small part of the total investment.

"Allowance for funds used during construction" (AFUDC) is used in the pipeline industry to recognize the carrying costs of both debt and equity capital used to finance the construction before the pipeline is in-service. The debt-equity ratio is 70:30; the interest during construction is the interest that accumulates from the debt portion of the financial plan. This interest is included as part of the total investment by the NIEA.

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[13] SCADA is an acronym for "Supervisory Control and Data Acquisition", electronic equipment that provides real time communications and gas control between headquarters and remote field locations and the pipeline.

The compressor, chiller train, etc components of the investment accounts for approximately 30 per cent of total costs. Pipeline materials are approximately 20 per cent and pipeline construction is 26 per cent in Canada and 34 per cent in Alaska. The pipeline construction costs increase with the difficulty level of the terrain that the pipeline traverses. The entire Alaskan segment must take into account permafrost, which increases the construction costs. This also increases the installation costs of compressor logistics through the chiller trains. The Canadian section of the pipeline is 36 per cent longer but its pipeline construction costs are 18 per cent lower. Likewise there are 50 per cent more compressors in the Canadian segment but this increases costs by only 11 per cent. The effect of permafrost on the project is to increase capital expenditure in Alaska to levels that are almost equal to the total Canadian expenditure.

Table 4: Total Project Capital Expenditure Profile by Major Component (Cdn$millions)

	Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Pipeline Materials	$ 2,703			676	1,622	405						
Pipeline Construction	$ 4,070				775	2,326	969					
Engineering	$ 783	140	127	109	103	205	86	3	3	3	2	1
Other Costs	$ 742	113	159	156	107	110	70	8	8	5	3	2
Interest During Construction	$ 1,206	7	23	62	182	385	471	24	20	17	9	5
Compressors, chiller train, etc.	$ 4,113			127	426	633	541	702	702	562	281	140
Total	**$ 13,616**	**260**	**309**	**1,131**	**3,216**	**4,064**	**2,138**	**737**	**733**	**586**	**295**	**148**

N.B. All dollar amounts are given in constant 2000 dollars.

Table 5a: Canada Segment Capital Expenditure Profile by Major Component (Cdn$millions)

	Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Pipeline Materials	$ 1,483			371	890	222						
Pipeline Construction	$ 1,828				348	1,045	435					
Engineering	$ 450	81	73	63	59	118	50	2	2	2	1	1
Other Costs	$ 427	65	92	90	62	63	40	5	5	3	2	1
Interest During Construction	$ 632	4	13	35	99	200	241	13	11	9	5	3
Compressors, chiller train, etc.	$ 2,171			64	219	325	287	376	376	300	150	75
Total	**$ 6,990**	**149**	**178**	**622**	**1,676**	**1,973**	**1,053**	**395**	**393**	**314**	**158**	**79**

N.B. All dollar amounts are given in constant 2000 dollars.

Table 5b: Alaska Segment Capital Expenditure Profile by Major Component (Cdn$millions)

	Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Pipeline Materials	$ 1,220			305	732	183						
Pipeline Construction	$ 2,242				427	1,281	534					
Engineering	$ 333	60	54	47	44	87	37	1	1	1	1	0
Other Costs	$ 315	48	67	66	46	47	30	3	3	2	1	1
Interest During Construction	$ 574	3	10	27	84	185	231	12	9	8	4	2
Compressors, chiller train, etc.	$ 1,942			63	207	308	254	326	326	261	131	65
Total	**$ 6,627**	**111**	**131**	**508**	**1,540**	**2,091**	**1,085**	**343**	**340**	**272**	**137**	**68**

N.B. All dollar amounts are given in constant 2000 dollars.

Provincial and Territorial Distribution of Capital Expenditure

The majority of the components are directly related to the mileage of pipeline within the Jurisdiction[14], with the exception of construction and compressor, chiller trains, etc. Chiller trains are required for the first 200 km into the Yukon, north of Kluane Lake, to accommodate for permafrost, increasing the cost of these components. The location of the meter stations and the number of compressors in a Jurisdiction determine the profiles of the compressors and meter station expenditure.

The ratio of pipeline materials to pipeline construction costs decreases from Alberta to the Yukon a from 87% to78%, respectively. This coincides with the difficulty of the terrain increasing from Alberta to the Yukon-Alaska border, due to more mountainous, rocky and permafrost terrain.

The compressor, chiller train, etc. component of Alberta's capital expenditure only consists of a meter station, SCADA and communications, whereas the other two Jurisdictions have almost all components (Yukon is the only Territory that will have chiller trains). The project development, engineering, regulatory, and project management will be focused in Alberta, so likewise the capital expenditure has been reallocated to Alberta. Some of these activities will be required at the site of construction in other Jurisdictions. In order to cover these outlays construction management has been distributed to the regions by their share of total pipeline length.

Many thanks to Foothills Pipeline Limited for providing the raw data, timely feedback and an industry expert sanity check, specifically Brian Love in Whitehorse and Jack Shaw in Calgary. Informetrica Limited generated the regional breakdown of the total capital expenditure in Canada and the employment estimates. Informetrica remains responsible for the calculations and, of course, any remaining errors in the data or calculations.

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[14] "Jurisdictions" will have a dual meaning of either or both province and territory.

Table 6a: Yukon Segment CapitalE xpenditure Profile (Cdn$millions)

	Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Pipeline Materials	$ 782			196	469	117						
Pipeline Construction	$ 997				190	570	237					
Engineering	$ 80				15	45	19	0	0	0	0	0
Other Costs	$ 18				0	3	8	2	2	2	1	0
Interest During Construction	$ 261			6	36	87	109	7	6	5	3	1
Compressors, chiller train, etc.	$ 1,231			36	123	182	163	214	214	171	85	43
Total	**$ 3,369**	**0**	**0**	**238**	**833**	**1,004**	**536**	**223**	**222**	**178**	**89**	**45**

N.B. All dollar amounts are given in constant 2000 dollars.

Table 6b: British Columbia Segment Capital Expenditure Profile by Major Component (Cdn$millions)

	Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Pipeline Materials	$ 648			162	389	97						
Pipeline Construction	$ 770				147	440	183					
Engineering	$ 69				13	39	16	0	0	0	0	0
Other Costs	$ 16				0	2	7	2	2	1	1	0
Interest During Construction	$ 207			5	29	69	87	5	5	4	2	1
Compressors, chiller train, etc.	$ 927			27	89	138	124	161	161	129	65	32
Total	**$ 2,638**	**0**	**0**	**195**	**667**	**786**	**417**	**169**	**168**	**134**	**68**	**34**

N.B. All dollar amounts are given in constant 2000 dollars.

Table 6c: Alberta Segment Capital Expenditure Profile by Major Component (Cdn$millions)

	Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Pipeline Materials	$ 53			13.2	31.6	7.9						
Pipeline Construction	$ 60				11.5	34.5	14.4					
Engineering	$ 301	80.6	72.9	62.8	31.1	33.8	14.9	1.3	1.3	1.3	0.8	0.4
Other Costs	$ 392	64.7	91.8	89.9	61.1	58.6	25.6	0.2	0.2	0.1	0.1	0.0
Interest During Construction	$ 164	4.1	13.1	23.4	33.9	44.4	44.5	0.3	0.1	0.1	0.0	0.0
Compressors, chiller train, etc.	$ 13				6.4	3.8	0.8	0.6	0.6	0.4	0.2	0.1
Total	**$ 983**	**149.4**	**177.8**	**189.3**	**175.5**	**182.9**	**100.1**	**2.3**	**2.1**	**1.9**	**1.2**	**0.6**

N.B. All dollar amounts are given in constant 2000 dollars.

APPENDIX: Detailed Tables By Segment

Alaska Highway Pipeline Project
Phased In to Ultimate Capacity Capital Cost Estimate
$2000 Cdn ($ millions), Excludes AFUDC (equity portion) & Escalation
Alaska Segment of Project - Ex-Conditioning

		Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
OTHER													
Project Dev., regulatory, socio-econ, land, research)		**288.8**	47.9	67.3	66.3	45.4	43.3	18.5					
Engineering incl Data Gathering													
	Environmental	**13.1**	8.1	4.7			0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Geotechnical	**8.1**	5.3	2.8									
	Engineering	**74.1**	24.3	24.3	24.3		0.1	0.1	0.3	0.3	0.3	0.1	0.1
	Project Management	**123.3**	22.1	22.2	22.2	22.2	22.4	9.7	0.6	0.6	0.6	0.5	0.1
	Construction Management	**114.7**				21.7	65.0	26.9	0.3	0.3	0.3	0.2	0.1
Materials													
	Pipe	**1,219.9**			305.1	732.0	182.8						
	Compression, Chilling & Cooling	**1,213.4**			63.2	189.6	126.4	125.1	208.6	208.6	166.8	83.4	41.7
	Meter Stations	**8.1**				6.0	2.1						
SCADA & communications		**14.7**				4.1	10.6						
Construction													
	Pipeline	**2,241.9**				426.9	1,281.2	533.8					
	Compressor Stations Logistics	**625.1**					146.5	113.3	107.4	107.4	86.0	43.0	21.5
O&M													
	Personnel incl commissioning	**22.0**					2.3	10.7	2.8	2.8	1.7	1.1	0.6
	Facilities	**4.6**				0.4	1.4	0.8	0.6	0.6	0.5	0.2	0.1
	Spare & Inventory	**81.0**				7.7	22.5	15.6	10.4	10.4	8.3	4.1	2.1
Project Total		**6,052.7**	107.7	121.3	481.1	1,456.0	1,906.7	854.5	331.0	331.0	264.4	132.8	66.3
Interest During Construction		**574.1**	3.0	9.7	27.3	83.7	184.6	230.6	11.7	9.3	7.7	4.3	2.2
Interest Rate		**8%**											
Debt Capitalization		**70%**											

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Alaska Highway Pipeline Project

Phased In to Ultimate Capacity Capital Cost Estimate

$2000 Cdn ($ millions), Excludes AFUDC (equity portion) & Escalation

Canadian Segment of Project - Gordondale Delivery

		Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
OTHER Project Dev.,r egulatory, socio-econ, land, research)		**391.9**	64.9	92.0	90.2	61.2	58.5	25.0					
Engineering incl Data Gathering													
	Environmental	**17.7**	11.0	6.3		0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0
	Geotechnical	**10.9**	7.1	3.8									
	Engineering	**100.2**	32.8	32.8	32.8		0.2	0.2	0.4	0.4	0.4	0.2	0.2
	Project Management	**166.3**	29.8	30.0	30.0	30.0	30.1	13.2	0.8	0.8	0.8	0.6	0.2
	Construction Management	**154.8**				29.3	87.6	36.3	0.4	0.4	0.4	0.3	0.1
Materials													
	Pipe	**1,482.9**			370.9	889.8	222.2						
	Compression, Chilling & Cooling	**1,336.5**			63.6	191.0	127.4	143.2	238.6	238.6	190.9	95.4	47.7
	Meter Stations	**15.4**				11.5	3.9						
SCADA & communications		**21.1**				5.8	15.3						
Construction													
	Pipeline	**1,828.0**				348.1	1,044.7	435.2					
	Compressor Stations Logistics	**688.5**					147.6	122.9	122.9	122.9	98.3	49.2	24.6
O&M Capital													
	Personnel incl commissioning	**29.6**					3.1	14.4	3.8	3.8	2.3	1.5	0.8
	Facilities	**6.2**				0.6	1.9	1.1	0.8	0.8	0.6	0.3	0.2
	Spare & Inventory	**109.3**				10.3	30.4	21.0	14.0	14.0	11.2	5.6	2.8
Project Total		**6,359.4**	145.5	164.9	587.5	1,577.6	1,772.8	812.5	381.9	381.9	305.0	153.2	76.6
Interest During Construction		**631.8**	4.1	13.1	35.2	98.6	200.4	240.6	12.7	10.7	8.9	5.0	2.5
Interest Rate		**8%**											
Debt Capitalization		**70%**											

Alaska Highway Pipeline Project
Phased In to Ultimate Capacity Capital Cost Estimate
$2000 Cdn ($ millions),E xcludes AFUDC (equity portion) & Escalation
Yukon Segment of Project

		Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
OTHER Project Dev., regulatory, socio-econ, land,r esearch)		0.0											
Engineering incl Data Gathering	Environmental	0.0											
	Geotechnical	0.0											
	Engineering	0.0											
	Project Management	0.0											
	Construction Management	79.6				15.1	45.1	18.7	0.2	0.2	0.2	0.1	0.0
Materials	Pipe	781.9			195.6	469.2	117.2						
	Compression, Chilling & Cooling	763.0			36.3	109.0	72.7	81.7	136.2	136.2	109.0	54.5	27.2
	MeterS tations	7.7				5.7	2.0						
SCADA & communications		10.9				3.0	7.9						
Construction	Pipeline	997.3				189.9	570.0	237.5					
	CompressorS tations Logistics	393.0					84.3	70.2	70.2	70.2	56.1	28.1	14.0
O&M	Personnel incl commissioning	15.2					1.6	7.4	2.0	2.0	1.2	0.8	0.4
	Facilities	3.2				0.3	1.0	0.5	0.4	0.4	0.3	0.2	0.1
	Spare & Inventory	56.2				5.3	15.6	10.8	7.2	7.2	5.8	2.9	1.4
Project Total		3,108.1	0.0	0.0	231.9	797.5	917.2	426.8	216.2	216.2	172.6	86.5	43.2
Interest During Construction		260.8	0.0	0.0	6.5	35.8	86.7	109.4	7.0	6.1	5.0	2.8	1.4
Interest Rate		8%											
Debt Capitalization		70%											

Alaska Highway Pipeline Project
Phased In to Ultimate Capacity Capital Cost Estimate
$2000 Cdn ($ millions), Excludes AFUDC (equity portion) & Escalation
British Columbia Segment of Project

		Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
OTHER Project Dev.,r egulatory, socio-econ, land, research)		**0.0**											
Engineering incl Data Gathering	Environmental	**0.0**											
	Geotechnical	**0.0**											
	Engineering	**0.0**											
	Project Management	**0.0**											
	Construction Management	**69.0**				13.1	39.1	16.2	0.2	0.2	0.2	0.1	0.0
Materials	Pipe	**648.3**			162.1	389.0	97.1						
	Compression, Chilling & Cooling	**573.5**			27.3	82.0	54.7	61.4	102.4	102.4	81.9	41.0	20.5
	Meter Stations	**0.0**											
SCADA & communications		**9.4**				2.6	6.8						
Construction	Pipeline	**770.1**				146.7	440.1	183.4					
	Compressor Stations Logistics	**295.5**					63.3	52.8	52.8	52.8	42.2	21.1	10.6
O&M	Personnel incl commissioning	**13.2**					1.4	6.4	1.7	1.7	1.0	0.7	0.3
	Facilities	**2.8**				0.3	0.8	0.5	0.4	0.4	0.3	0.1	0.1
	Spare & Inventory	**48.7**				4.6	13.5	9.4	6.2	6.2	5.0	2.5	1.2
Project Total		**2,430.6**	0.0	0.0	189.4	638.1	716.9	330.0	163.6	163.6	130.6	65.5	32.7
Interest During Construction		**207.0**	0.0	0.0	5.3	28.9	69.2	86.7	5.4	4.6	3.8	2.1	1.1
Interest Rate		**8%**											
Debt Capitalization		**70%**											

Alaska Highway Pipeline Project
Phased In to Ultimate Capacity Capital Cost Estimate
$2000 Cdn ($ millions), Excludes AFUDC (equity portion) & Escalation
Alberta Segment of Project - Gordondale Delivery

		Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
OTHER													
Project Dev., regulatory,s ocio-econ, land,r esearch)		**390.9**	64.7	91.8	89.9	61.1	58.4	25.0					
Engineering incl Data Gathering													
	Environmental	**17.7**	11.0	6.3		0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0
	Geotechnical	**10.9**	7.1	3.8									
	Engineering	**100.2**	32.8	32.8	32.8		0.2	0.2	0.4	0.4	0.4	0.2	0.2
	Project Management	**166.3**	29.8	30.0	30.0	30.0	30.1	13.2	0.8	0.8	0.8	0.6	0.2
	Construction Management	**6.2**				1.2	3.5	1.4	0.0	0.0	0.0	0.0	0.0
Materials													
	Pipe	**52.6**			13.2	31.6	7.9						
	Compression, Chilling & Cooling	**0.0**											
	Meter Stations	**7.7**				5.7	2.0						
SCADA & communications		**0.8**				0.2	0.6						
Construction													
	Pipeline	**60.4**				11.5	34.5	14.4					
	Compressor Stations Logistics	**0.0**											
O&M													
	Personnel incl commissioning	**1.2**					0.1	0.6	0.2	0.2	0.1	0.1	0.0
	Facilities	**0.2**				0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
	Spare & Inventory	**4.4**				0.4	1.2	0.8	0.6	0.6	0.4	0.2	0.1
Project Total		**819.4**	145.4	164.7	165.9	141.7	138.5	55.6	2.0	2.0	1.9	1.1	0.6
Interest During Construction		**163.8**	4.1	13.1	23.4	33.9	44.4	44.5	0.3	0.1	0.1	0.0	0.0
Interest Rate		**8%**											
Debt Capitalization		**70%**											

Number of Employees		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
	Alaska	0	0	0	0	42	75.31526681	126.109633	146.9321682	167.7547034	188.5772386
	Canada	0	0	0	0	68	113.2575223	189.6068181	221.7870998	253.9673815	286.1476631
	Yukon	0	0	0	0	34	56.95047611	90.70822259	103.9589268	117.209631	130.4603353
	BC	0	0	0	0	33	53.72958139	88.43380675	107.3633842	126.2929617	145.2225391
	Alberta	0	0	0	0	1	2.577464789	10.46478873	10.46478873	10.46478873	10.46478873
	Segment	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Number of Compressor Stations							2	2	2	2	2
9.5	employees per compressor										
35.5 hours per week	**Alaska**	0	0	0	0	0	5	7.2	9.4	11.6	13.8
7.1 hours per day	**Canada**	0	0	0	0	0	7	10.4	13.8	17.2	20.6
336.0 total hrs rqd per week	*Yukon*	0	0	0	0	0	3	4.4	5.8	7.2	8.6
	BC	0	0	0	0	0	4	6	8	10	12
	Alberta	0	0	0	0	0	0	0	0	0	0
Miles per Segment (and if line men are required											
3	employees per 150 km										
150	per x km										
741	**Alaska**	0	0	0	0	0	1	1	1	1	1
1005	**Canada**	0	0	0	0	0	1	1	1	1	1
517	*Yukon*	0	0	0	0	0	1	1	1	1	1
448	*BC*	0	0	0	0	0	1	1	1	1	1
40	*Alberta*	0	0	0	0	0	0	0	0	0	0
Number of Metering Stations							2	12	12	12	12
9.5	employees per meter station										
	Alaska	0	0	0	0	0	1	1	1	1	1
	Canada	0	0	0	0	0	2	2	2	2	2
	Yukon	0	0	0	0	0	1	1	1	1	1
	BC	0	0	0	0	0	0	0	0	0	0
	Alberta	0	0	0	0	0	1	1	1	1	1
Number of Head Offices											
25	employees per head office										
42	**Alaska**	0	0	0	0	1	1	1	1	1	1
	Canada	0	0	0	0	3	3	3	3	3	3
34	*Yukon*	0	0	0	0	1	1	1	1	1	1
33	*BC*	0	0	0	0	1	1	1	1	1	1
1	*Alberta*	0	0	0	0	1	1	1	1	1	1
Income from tariff		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014

	$0.7664	**Alaska**	**0**	**0**	**$116.56**	**$713.37**	**$797.29**	**$881.22**	**$965.14**	**$1,049.07**	**$1,119.01**	**$1,119.01**
	$0.8055	**Canada**	**0**	**0**	**$122.50**	**$749.72**	**$837.92**	**$926.12**	**$1,014.32**	**$1,102.53**	**$1,176.03**	**$1,176.03**
	$0.4348	*Yukon*	*0*	*0*	*$66.12*	*$404.65*	*$452.25*	*$499.86*	*$547.46*	*$595.07*	*$634.74*	*$634.74*
	$0.3479	*BC*	*0*	*0*	*$52.90*	*$323.77*	*$361.87*	*$399.96*	*$438.05*	*$476.14*	*$507.88*	*$507.88*
	$0.0229	*Alberta*	*0*	*0*	*$3.48*	*$21.30*	*$23.80*	*$26.31*	*$28.81*	*$31.32*	*$33.41*	*$33.41*
Flow rate			0	0	2	2	2	2	2	2	2	2
			0	0	2.5	2.8	3.1	3.4	3.7	4	4	4

2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
209.3997739	**226.7518865**	**226.7518865**	**226.7518865**	**226.7518865**	**226.7518865**	**226.7518865**	**226.7518865**	**226.7518865**	**226.7518865**	**226.7518865**
318.3279448	**345.1448462**	**345.1448462**	**345.1448462**	**345.1448462**	**345.1448462**	**345.1448462**	**345.1448462**	**345.1448462**	**345.1448462**	**345.1448462**
143.7110395	*154.753293*	*154.753293*	*154.753293*	*154.753293*	*154.753293*	*154.753293*	*154.753293*	*154.753293*	*154.753293*	*154.753293*
164.1521166	*179.9267645*	*179.9267645*	*179.9267645*	*179.9267645*	*179.9267645*	*179.9267645*	*179.9267645*	*179.9267645*	*179.9267645*	*179.9267645*
10.46478873	*10.46478873*	*10.46478873*	*10.46478873*	*10.46478873*	*10.46478873*	*10.46478873*	*10.46478873*	*10.46478873*	*10.46478873*	*10.46478873*

2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
2	12	12	12	12	12	12	12	12	12	12
16	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**
24	**24**	**24**	**24**	**24**	**24**	**24**	**24**	**24**	**24**	**24**
10	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
14	*14*	*14*	*14*	*14*	*14*	*14*	*14*	*14*	*14*	*14*
0	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
0	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
12	*12*	*12*	*12*	*12*	*12*	*12*	*12*	*12*	*12*	*12*
1	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
2	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
0	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
1	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
3	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**
1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025

$1,119.01	**$1,119.01**	**$1,119.01**	**$1,119.01**	**$1,119.01**	**$1,119.01**	**$1,119.01**	**$1,119.01**	**$1,119.01**	**$1,119.01**	**$1,119.01**
$1,176.03	**$1,176.03**	**$1,176.03**	**$1,176.03**	**$1,176.03**	**$1,176.03**	**$1,176.03**	**$1,176.03**	**$1,176.03**	**$1,176.03**	**$1,176.03**
$634.74	*$634.74*	*$634.74*	*$634.74*	*$634.74*	*$634.74*	*$634.74*	*$634.74*	*$634.74*	*$634.74*	*$634.74*
$507.88	*$507.88*	*$507.88*	*$507.88*	*$507.88*	*$507.88*	*$507.88*	*$507.88*	*$507.88*	*$507.88*	*$507.88*
$33.41	*$33.41*	*$33.41*	*$33.41*	*$33.41*	*$33.41*	*$33.41*	*$33.41*	*$33.41*	*$33.41*	*$33.41*
2	2	2	2	2	2	2	2	2	2	2
4	4	4	4	4	4	4	4	4	4	4

2023	2024	2025
226.7518865	**226.7518865**	**226.7518865**
345.1448462	**345.1448462**	**345.1448462**
154.753293	*154.753293*	*154.753293*
179.9267645	*179.9267645*	*179.9267645*
10.46478873	*10.46478873*	*10.46478873*

2023	2024	2025
12	12	12
16	**16**	**16**
24	**24**	**24**
10	*10*	*10*
14	*14*	*14*
0	*0*	*0*
1	*1*	*1*
1	*1*	*1*
1	*1*	*1*
1	*1*	*1*
0	*0*	*0*
12	*12*	*12*
1	**1**	**1**
2	**2**	**2**
1	*1*	*1*
0	*0*	*0*
1	*1*	*1*
1	**1**	**1**
3	**3**	**3**
1	*1*	*1*
1	*1*	*1*
1	*1*	*1*

0	0	0	0

$1,119.01	**$1,119.01**	**$1,119.01**	**$1,119.01**
$1,176.03	**$1,176.03**	**$1,176.03**	**$1,176.03**
$634.74	*$634.74*	*$634.74*	*$634.74*
$507.88	*$507.88*	*$507.88*	*$507.88*
$33.41	*$33.41*	*$33.41*	*$33.41*
2	2	2	2
4	4	4	4

National Impact of Alaska Highway Pipeline Project

Working Paper No. 6.1.1

March 2002

Charles Saunders

Informetrica
Limited

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March 2002

National Impacts of Alaska Highway Pipeline Project

Overview

The purpose of this report is to determine the impacts of the Alaska Highway Pipeline Project (AHPP) on the Canadian economy. The AHPP will impact the economy through both construction of the pipeline and export of natural gas transmission services.

There are three key elements that have renewed interest in Alaskan North Slope natural gas:

- US energy policy promoting cleaner burning fuels that is anticipated to rapidly expand the generation of electricity from natural gas;
- Recent winter price shocks for both oil and natural gas;
- US desire to protect and guarantee energy supplies.[1]

Method

Overview and "Impact" Language

This study is designed to assess the impact of northern gas and pipeline development considering that spending for development and operation of gas fields and the pipeline will indirectly impact many in the Canadian economy. For this, a standard "macroeconomic impact" procedure is employed. In essence, this requires three steps:

1. Prepare a Base Case forecast of the economy, assuming that the study-related developments do not occur.
2. Prepare a second (Impact Case) forecast of the economy, assuming the pipeline is developed and operated.
3. Measures of impact are derived by comparing (2) to (1).

Although the technical method employed produces several projections or forecasts, each representing the Base Case or one of the three options, we report only the extent to which there is a deviation from the Base Case. The extent to which the oil and gas or pipeline industry, or the economy of the Territories might or might not otherwise grow rapidly is not evaluated in this report. Although of potentially obvious interest, it should be recognised that considerations related to that question extend well beyond development of specific projects.

How are impacts transmitted from those directly affected to others? For purposes of communicating our results, and illustrating the transmission mechanisms, we distinguish three kinds of effects.

---

[1] US Energy Demand and Policies through 2020, Working Paper 4.4.1, Informetrica Limited, January 2002.

Direct Impacts – These are derived from analysis of the projects proposed or that may be otherwise assumed from related "micro" analysis. Three types of changes employed in this study illustrate these types of effects.

1. The investment is managed by a main contractor, and is responsible for purchasing equipment or develops the structures required to build the pipeline. The contractor would employ construction industry resources or require delivery of equipment from the appropriate machinery, electronic products or other industry. In our framework, the industry that delivers the good or service to the contractor is "directly impacted" by the investment.

2. Operation of the pipeline directly affects a pipeline industry in our framework.

Indirect Impacts – The construction industry requires wholesale, trucking and other services and many kinds of materials to produce its services. Producers of equipment require metallic products from the steel and non-ferrous metals industry and from the wholesale and trucking industries. Each of these industries requires supplies of goods and services from all other industries. This set of interrelationships that describe the technology of inter-industry ties is presented in our framework by input-output tables.[2]

Induced Impacts – Increased demand for the industries directly and indirectly affected will produce increased employment, and returns to the businesses. Associated increases in income should induce persons to increase consumer spending and businesses to increase their own investment spending. In both instances, such spending increases would be net of any increase in saving that may occur. This represents a form of "leakage" in that funds allocated to saving do not require further use of real economic resources. Increased revenues for governments from the strengthened personal and business income may also induce further real economic effects if they lead governments to reduce tax rates or increase spending. In this analysis, we assume in one scenario that the positive effects on government balances are committed to saving or debt reduction, providing yet another source of "leakage" to overall economic effects. In a second scenario we recycle the improvement in the federal balance through tax cuts

"Multiplier" measures represent the extent to which total economic measures of impact exceed the initial spending. In this context, it is important to note that indirect effects simply allocate or distribute initial spending among those industries that add value to the products ultimately required by those engaged in the spending. Thus, the multiplier follows from induced spending, which, as we have noted, may be dampened by increases in private and government saving.

---

[2] In the projection period, these are adjusted in the Base Case to reflect expected changes (e.g., as for example, the increasing reliance of industries on telecommunications services and reduced demand for refined petroleum products per unit of using industry output).

Imports are another form of "leakage" that is significant to the size of the multiplier. In degree as an additional demand is satisfied by imports, income effects will occur, but outside Canada. This may be significant to direct, indirect and induced spending impacts. In this context, it should be noted that approximately three-fourths of all goods required to satisfy Canadian demand are now imported. Accordingly, most macroeconomic impacts now report relatively modest multipliers – in the range of 1.25.

Sector and National Macroeconomic Impacts

The model of the national economy (TIM) is used to provide a behavioural underpinning to the analysis.[3] As Figure 1 illustrates, the model is highly detailed in industry terms, and links demands on the economy, output and employment of the many industries, and costs and prices of industries and commodities in a consistent framework.

Relevant to this analysis identified in this framework:

- *Pipeline Transportation SIC (1980) 4610*

As is detailed in Appendix A, for each industry, a detailed view of the sources of demand acting on the industry from final demand (e.g., exports of natural gas and of pipeline services) and from the requirements of other industries (e.g., gas utilities delivering gas to households and businesses) is represented in the model. As is illustrated in Figure 1, increased exports of natural gas, for example, lead to a change in the Gross Output (i.e., shipments) of the oil and gas industry. This produces an increase in the value-added (GDP) by that industry. Through its requirements for supplies of goods and services, demands on the Gross Output of other industries follows (indirect impacts). Increased GDP of all affected industries leads to changes in inputs (labour and capital), which are represented by industry-specific employment and investment.

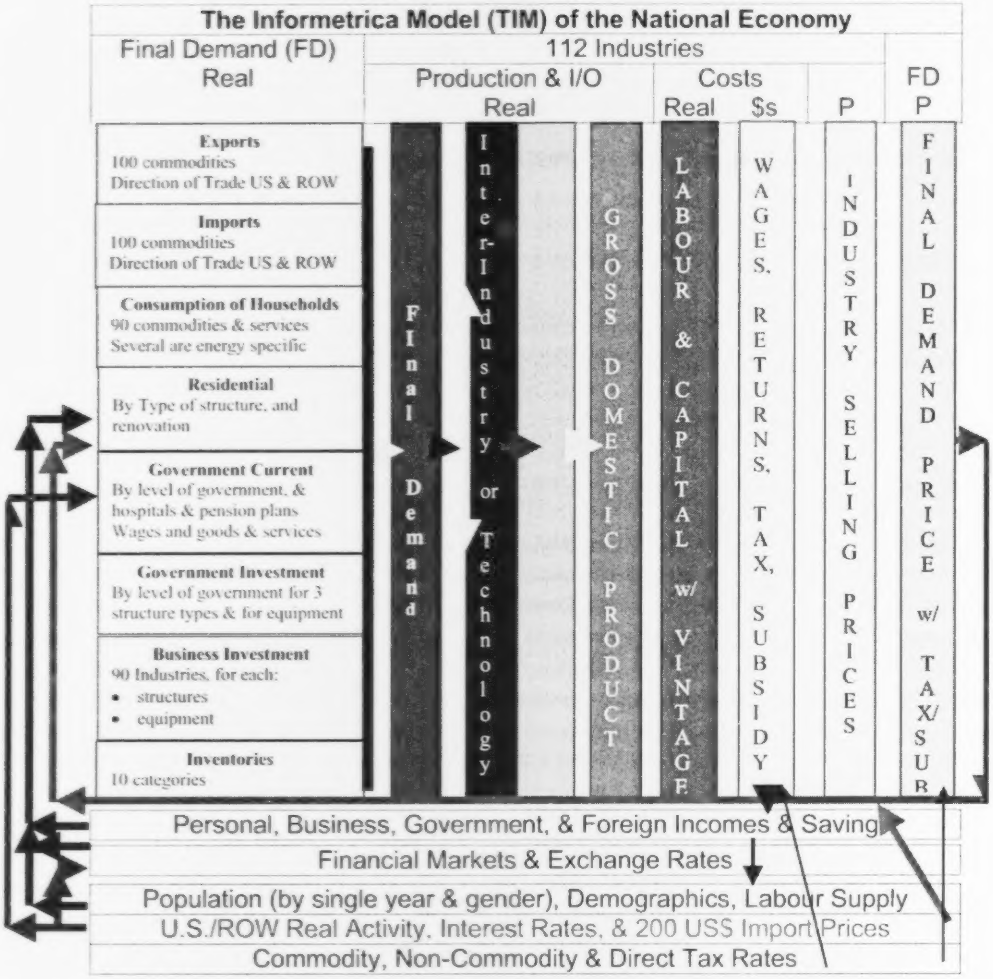
Increased investment adds to the producer stock of capital, which partly explains requirements for industry-specific employment.[4] Payments to employee wages and to businesses for capital service, combined with changes in the relationship of GDP to employees and capital stock (i.e., industry productivity) alter the unit costs of industry production. This and changes to prices of material and service inputs alter industry selling prices. Through input-output tables, these are converted into Final Demand prices that behaviourally influence real spending on consumption, investment, exports, imports and other demand detail available in the model. Prices may be modified by changes to indirect tax rates or subsidies at the industry level, or at Final Demand.

---

[3] Appendix A provides a technical description of TIM.

[4] Such investment spending constitutes an increase in the Final Demand of industries that supply the structures and equipment required by the spending industry to thereby directly impact their shipments. Each of these, in turn, indirectly affects the demands of their suppliers.

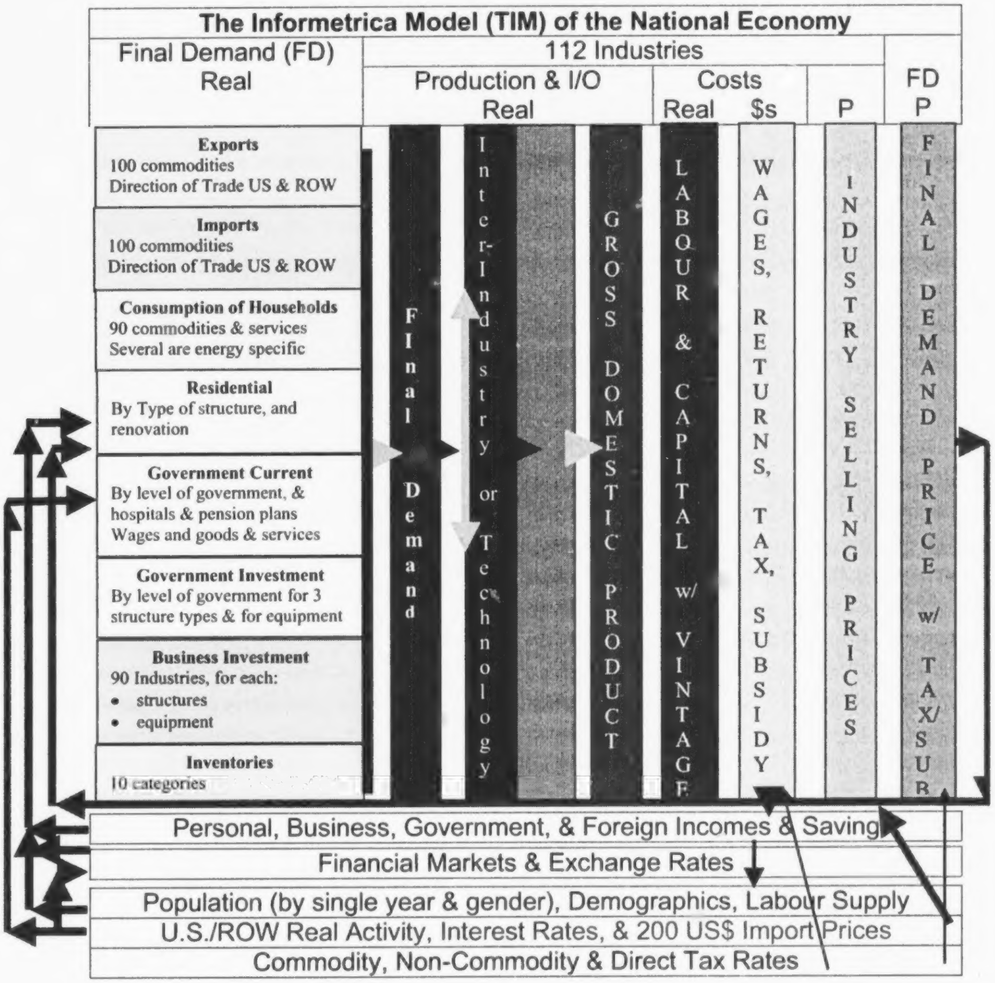
Figure 1 Schematic Overview of The Informetrica Model


The Informetrica Model (TIM) of the National Economy
Final Demand (FD) Real
112 Industries
Production & I/O Real
Costs
Real
$s
P
FD P
Exports
100 commodities
Direction of Trade US & ROW
Imports
100 commodities
Direction of Trade US & ROW
Consumption of Households
90 commodities & services
Several are energy specific
Residential
By Type of structure, and renovation
Government Current
By level of government, & hospitals & pension plans
Wages and goods & services
Government Investment
By level of government for 3 structure types & for equipment
Business Investment
90 Industries, for each:
structures
equipment
Inventories
10 categories
Final Demand
Inter-Industry or Technology
GROSS DOMESTIC PRODUCT
LABOUR & CAPITAL w/ VINTAGE
WAGES, RETURNS, TAX, SUBSIDY
INDUSTRY SELLING PRICES
FINAL DEMAND PRICE w/ TAX/SUB
Personal, Business, Government, & Foreign Incomes & Saving
Financial Markets & Exchange Rates
Population (by single year & gender), Demographics, Labour Supply
U.S./ROW Real Activity, Interest Rates, & 200 US$ Import Prices
Commodity, Non-Commodity & Direct Tax Rates

The incomes of directly and indirectly impacted employees and establishments are aggregated to change the incomes of governments, persons and businesses, through both direct and indirect taxes. These are separately identified for the federal, provincial and municipal governments, and the public pension systems. As Figure 1 illustrates, this also partly explains or induces changes to Final Demand. In turn, this alters the shipments of all other industries directly and indirectly. In technical terms, the model is fully "closed".

Notable in this framework is the behaviour of imports, which are specified for approximately 100 commodities. Commodity-specific changes are explained econometrically by changes to

Figure 1 Schematic Overview of The Informetrica Model


The Informetrica Model (TIM) of the National Economy
Final Demand (FD) Real
112 Industries
Production & I/O Real
Costs
Real
$s
P
FD P
Exports
100 commodities
Direction of Trade US & ROW
Imports
100 commodities
Direction of Trade US & ROW
Consumption of Households
90 commodities & services
Several are energy specific
Residential
By Type of structure, and renovation
Government Current
By level of government, & hospitals & pension plans
Wages and goods & services
Government Investment
By level of government for 3 structure types & for equipment
Business Investment
90 Industries, for each:
structures
equipment
Inventories
10 categories
Final Demand
Inter-Industry or Technology
GROSS DOMESTIC PRODUCT
LABOUR & CAPITAL w/ VINTAGE
WAGES, RETURNS, TAX, SUBSIDY
INDUSTRY SELLING PRICES
FINAL DEMAND PRICE w/ TAX/SUB
Personal, Business, Government, & Foreign Incomes & Saving
Financial Markets & Exchange Rates
Population (by single year & gender), Demographics, Labour Supply
U.S./ROW Real Activity, Interest Rates, & 200 US$ Import Prices
Commodity, Non-Commodity & Direct Tax Rates

The incomes of directly and indirectly impacted employees and establishments are aggregated to change the incomes of governments, persons and businesses, through both direct and indirect taxes. These are separately identified for the federal, provincial and municipal governments, and the public pension systems. As Figure 1 illustrates, this also partly explains or induces changes to Final Demand. In turn, this alters the shipments of all other industries directly and indirectly. In technical terms, the model is fully "closed".

Notable in this framework is the behaviour of imports, which are specified for approximately 100 commodities. Commodity-specific changes are explained econometrically by changes to relevant incomes or industry GDP, and by commodity-specific Canadian and foreign prices to reflect "competitiveness" implications. With similar detail and considerations for exports, changes to a fourth income sector (foreigners) are determined, and most commonly reported as impacts on the Current Account balance.

Interest rates and exchange rates are sensitive to changes in nominal GDP, aggregate prices, and the Current Account, and to changes in U.S. interest rates and aggregate prices. These in turn affect Final Demands on the economy.

In the context of this analysis, key items in this framework are:

- investment spending of the pipelines industry,
- exports, and therefore, the output of pipeline services,

We also note that as the emphasis in this analysis is on "structural" effects,

- interest rates and exchange rates are unchanged.
- tax rates and government real expenditures are unchanged

Variations in any of these could significantly alter induced impacts and thereby "mask" the principal influences that follow from developing the projects under consideration.

The second "structural" factor is adjusted for in the second scenario where the governments recycle increased revenues by effectively lowering personal and business tax rates.

Base Case and Key Assumptions

The Base Case economy output expands by approximately 2.0 per cent annually from 2001 to 2025.[5] Employment increases by 0.8 per cent per year over the projection period with the unemployment rate dropping from 7.1 in 2001 to 4.2 in 2025. Business investment expands at an annual rate of 3.6 per cent, and consumption increases by 1.3 per cent per year. Both exports and imports are strong over the projection period at annual rates of 3.4 per cent and 3.2 per cent, respectively.

The key assumptions are to keep monetary policy, fiscal policy, and the US economy fixed.[6] This is used to isolate the effects that come from the direct inputs, investment spending and export of pipeline transmission services.

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[5] A more detailed assessment of the Base Case is available in: Canadian Macroeconomic Base Case Scenario, Informetrica Limited, Working Paper 3.1.1, December 2001.

[6] Detailed descriptions of the key assumptions are available in: Key Assumptions for Macroeconomic Study, Informetrica Limited, Working Paper 3.1.2, December 2001.

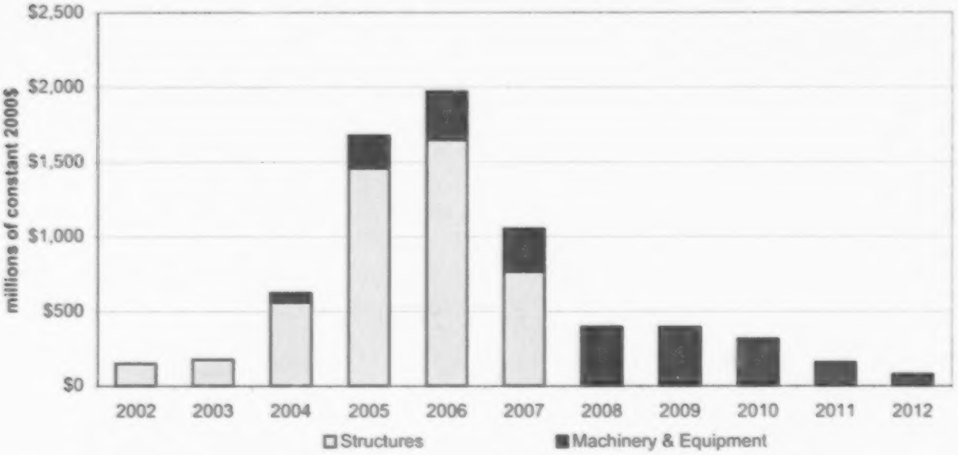
Direct Inputs

Foothills Pipeline Limited has provided a "Capital Expenditure" schedule (CAPEX) for the AHPP in both Alaska and Canada.[7] This schedule was used in conjunction with Benefit-Cost Analysis to determine the tariff charged per thousand cubic feet ($/Mcf).[8] The CAPEX also provided an investment profile as an input to TIM.

Direct Investment

Figure 2 shows the investment profile of the AHPP with total investment in Canada of $6,990 million constant 2000 Canadian dollars. The Alaska segment of the AHPP follows a similar profile with an investment total of Cdn$6,627 million.

Figure 2: Investment Profile of AHPP that occurs in Canada, by Type.



Investment in structures consists of the pipe, installation of the pipe, valves, fittings, engineering, interest during construction and other components of the pipe. Machinery & Equipment investment composes the compressor stations, meter stations, and communications equipment required to monitor the pipeline.

Tariff Revenue and Operations Employment

The flow of natural gas occurs on November 1st of 2007 at a rate of 2.5 billion cubic feet per day (Bcfd). This rate increases on each successive November by 0.3 Bcfd until reaching a maximum of 4.0 Bcfd in 2012. Revenue increases from $130 million in 2007 (2 months) to $1,252 million in 2013 (12 months at full flow rate). It is assumed that the pipeline will be operational for 25 years. The operation of the pipeline is expected to require 327 person years during peak flow years, 2013 to 2032.

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[7] A full description of the CAPEX, operations employment and tariff revenue is described in: Direct Effects of the Alaska Highway Pipeline Project, Informetrica Limited, Working Paper 5.1.1, January 2002.

[8] Cost-Benefit Analysis of the Alaska Natural Gas Transmission System, Informetrica Limited, Working Paper 8.1, January 2002.

Two Impact Scenarios

Both impact cases use the same direct inputs of investment, tariff revenue and operations employment, however, the cases differ on the fiscal position of the Federal and Provincial governments.

Scenario 1 (No Government Recycling)

There is no change in fiscal policy by all levels of government. Consequently, any changes in government balances are assumed to go directly into debt reduction or acquisition of financial assets.

Scenario 2 (Government Recycles)

The governments recycle the increased revenue using three specific techniques; lower EI contribution rate, keep federal business taxes equal to the base and keep federal personal income tax equal to the base. The first two techniques will directly reduce federal revenues, while the last technique will reduce federal and provincial revenues because provincial personal tax rates are linked in the model.

The overall effect of the second scenario is to increase the **induced** effects of the impact, by effectively increasing disposable income through lower tax rates.

Results

The results of the national economy demonstrate the interactions of spending, producing and income sectors are subject to the behavioural framework underpinning the analysis. The measures reported are intended to indicate whether impacts are "significant" to a sector or to decompose the source of the overall change.

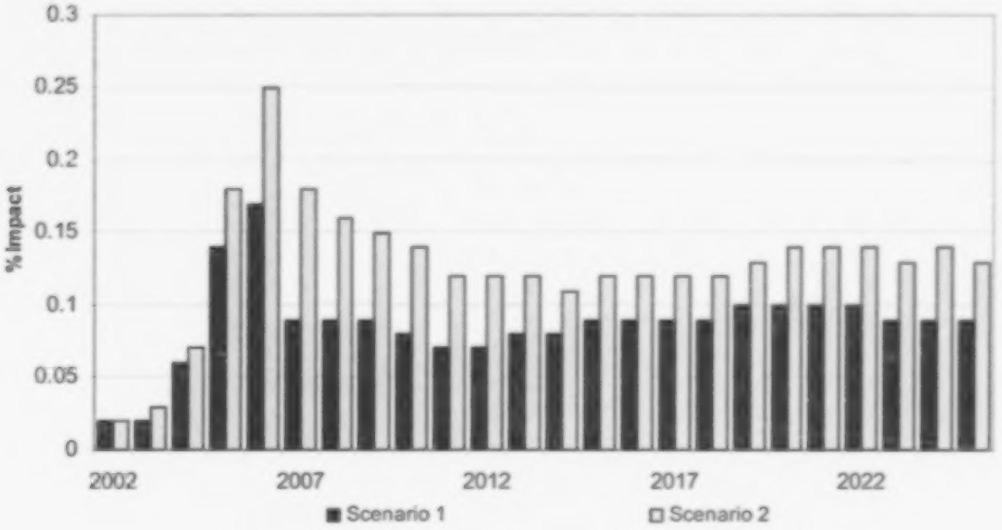
Impacts are reported for each year of 2002 to 2025. From the perspective of interpretation, however, readers should understand that there are two overlapping phases represented in these results. The construction phase covers from 2002 to 2012, peaking in 2006, and consists of structure, and machinery & equipment investments. The operations phase spans from 2007 to 2025, and increases gradually from 2007 to 2013 after which the impact is constant through the remainder of the years.

National

The major indicators for macroeconomic effects are GDP, employment, business investment, inflation, and government balances. Also highlighted are industries that are directly impacted by the AHPP, specifically pipeline transportation, oil and gas construction, primary iron and steel fabricating and aircraft and aircraft parts industries.[9]

The overall effect on GDP is small with a peak of less than 0.2 per cent in scenario 1 and a peak of 0.25 per cent in the Govt Recycle scenario. The longer run effects are comparable in both scenarios at 0.1 per cent with scenario 2 higher in all years.

Figure 3: GDP Impacts, by Scenario.



This is also the case for the employment impacts with peak employment in 2006, at 28,500 employees when the governments retain increased revenues and 43,400 employees when the government recycles revenue. Longer run impacts are modest at 1,600 employees per year when the government retains increased revenues, but this increases to 13,700 employees annually as the government recycles increased revenue.

The unemployment rate is reduced by a tenth of a percentage point at the peak in both 2005 and 2006, when the governments retain increased revenues. However, when the governments recycle increased revenues, the unemployment rate declines by a tenth of a percentage point from 2004 to 2009 and two tenths of a percentage point in 2006.

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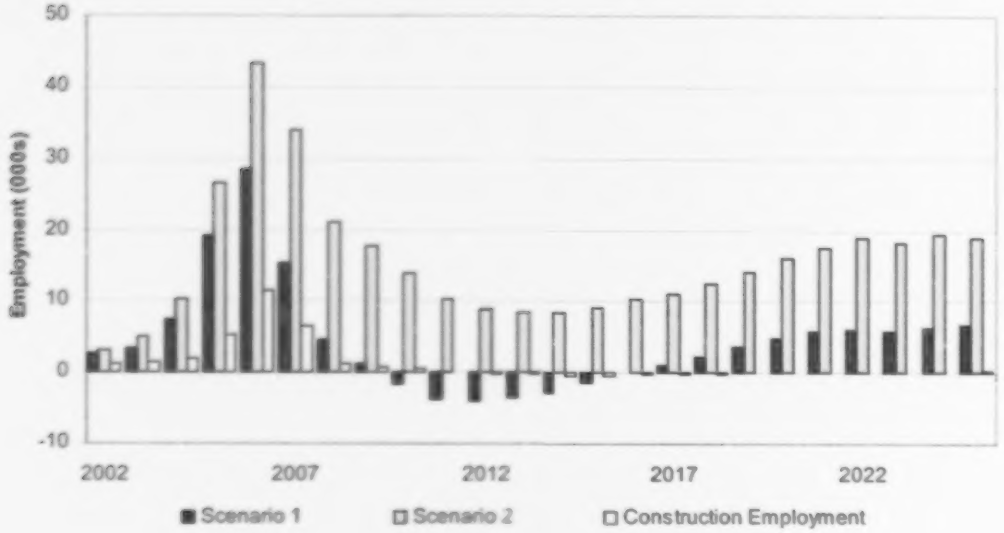
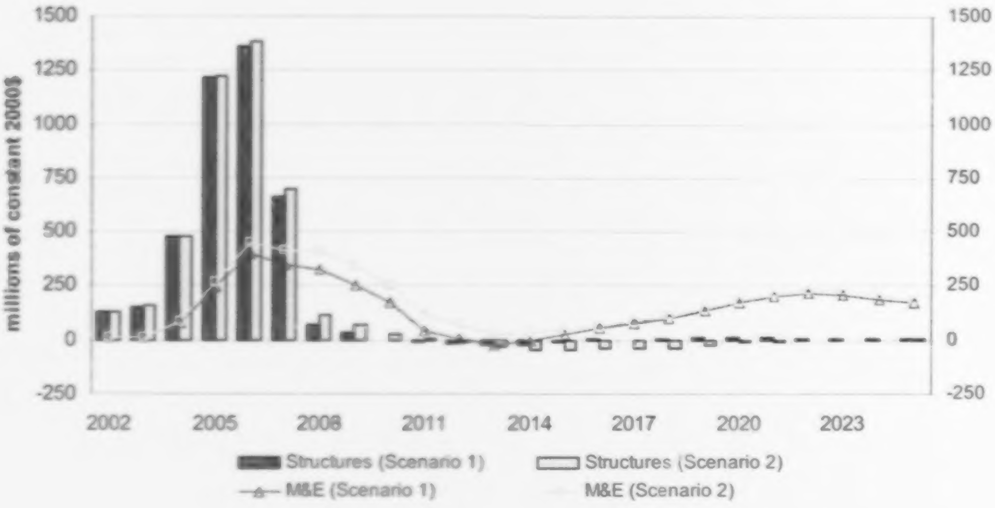
[9] Appendix B provides greater tabular detail for the following discussion.

Figure 4: Employment Impacts, by Scenario.



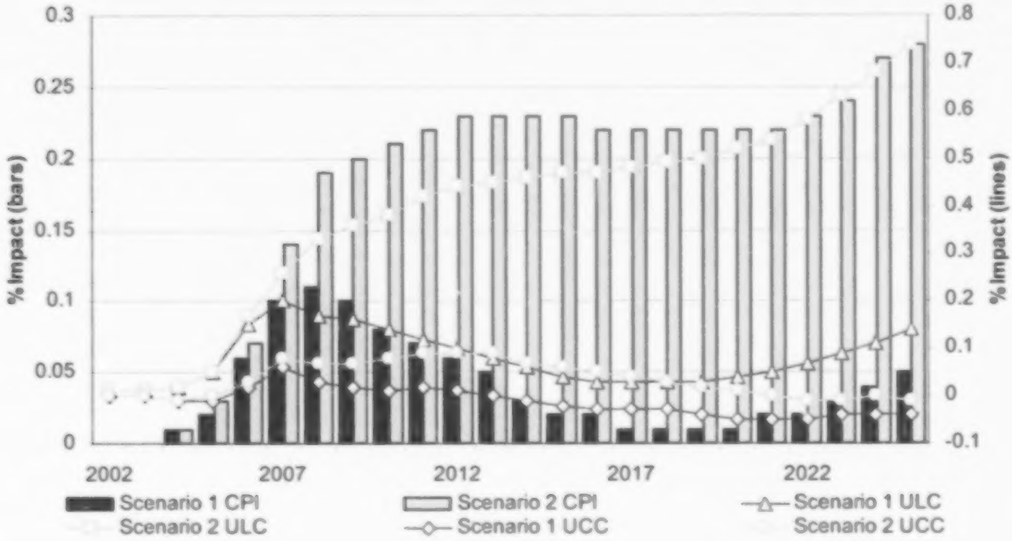
The investment profile is similar for both scenarios because the initial pipeline investment impacts are identical. However, government recycling increased revenues causes some induced investment in machinery and equipment (M&E) over the 2007 to 2013 period. This induced M&E investment occurs in the service industries, caused by increased consumption and real disposable income.

Figure 5: Investment Impact, by Scenario



The rise in the M&E investment from 2016 to 2025 is the replacement of the compressors, monitoring equipment and computers as they wear out. The average life span of M&E investment is approximately 10 years. Investment in structures typically has a longer life span in the range of 25 to 30 years so replacement would begin to occur around 2030 and later.

Figure 6: CPI and Unit Cost Impacts, by Scenario

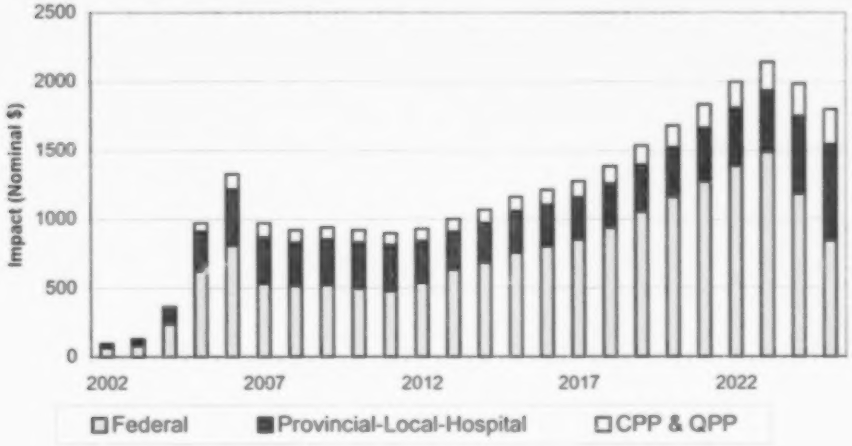


Price impacts are higher when the government recycles the increased revenues, but the overall effect is only 0.3 percent higher than the base case economy. The consumer price index (CPI) that averages 1.5 per cent annually over the impact period, the impact is not significant enough to change average price growth. Labour compensation per unit of output, unit labour cost, is the main causal factor of higher consumer prices. Higher real disposable income increases demand of consumption of good and services, which increases employment demand by the services sector. Marginally lower unemployment rate puts some pressure on wage rates to increase in the labour intensive industries, primarily services sector. Employment and wage rates rising relatively more rapidly than sector output causes unit labour costs to rise.

Government Balances

If governments do not recycle the increased revenue, then all levels of government benefit from the AHPP. In this scenario the Federal government gains the most, due initially to increased business tax and personal tax revenue. The scenario specifies that the total gain of the balance be directed to paying down the national debt. The longer term is dominated by lower interest payments on a smaller debt load. This is also the case for hospitals, and the provincial and local governments but to a lesser degree.

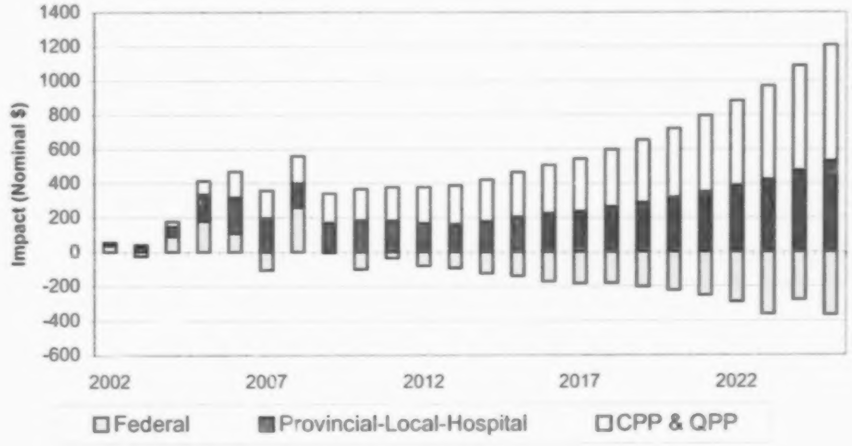
Figure 7: Government Balances, Scenario 1



The second scenario impact on the federal government balance fluctuates over the first seven years of the impact, but over the medium and longer term the recycling has a negative influence on the balance. These losses are caused by inflation risk through indexing policies of many of the federal governments revenues and expenditures.

The provincial governments recover almost all of the recycled provincial personal tax revenues through provincial retail sales tax revenue on higher consumption goods spending. Both CPP and QPP balances increase due to higher activity in the economy, but these will be offset through higher payments in the future.

Figure 8: Government Balances, Scenario 2



Local government and hospital balances are only marginally increased in both scenarios, and virtually unchanged between the two scenarios.

Specific Industry Effects

The three most directly affected industries are: primary iron and steel manufacturing, oil and gas facility construction, and aircraft and aircraft parts manufacturing.[10] The primary iron and steel industry manufacture the pipe, valves and fittings use in the AHPP. The oil and gas facility construction industry is responsible for installing the pipe into the ground. The aircraft and aircraft parts industry manufactures the compressor, which is generally a retrofitted jet engine.

Figure 9: Directly Impacted Industries, Scenario 1

	2002-04	2005-07	2008-12	2013-15	2016-20	2021-25
			Average % Impact			
Pipeline Tranportation Services						
Gross Domestic Product	0.03	0.52	8.93	10.61	10.07	9.50
Employment (a)	0.00	0.05	0.24	0.33	0.33	0.33
Investment	8.74	40.76	9.28	0.50	3.64	6.24
Oil & Gas Facility Construction						
Gross Domestic Product	1.78	10.51	0.09	0.01	0.00	-0.01
Employment (a)	1.35	7.02	0.01	-0.15	-0.17	-0.17
Investment	0.09	0.37	-0.20	0.07	0.04	-0.03
Primary Iron & Steel Manufacturing						
Gross Domestic Product	0.85	2.13	-0.14	-0.08	-0.03	-0.03
Employment (a)	0.37	1.09	-0.10	-0.11	-0.07	-0.06
Investment	0.04	1.92	-1.27	0.01	0.07	0.07
Aircraft & Part Manufacturing						
Gross Domestic Product	0.16	1.69	1.21	0.03	0.47	0.75
Employment (a)	0.06	0.54	0.34	-0.05	0.21	0.45
Investment	0.05	0.83	0.05	0.33	0.30	0.44

(a) Average Level Impact in Thousands

From 2005 to 2007, both output and employment peak for all three directly impacted industries in both scenarios, which is during the peak investment period by the pipeline industry. Output impact on the aircraft and aircraft parts industry remains strong through 2012.

Rising domestic prices when the governments recycle increased revenues negatively influence the trade sensitive industries. This is apparent in the primary iron and steel industry in the later years of the projection. There is also a weaker impact on the aircraft and part industry in the last ten years of the impact.

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[10] Appendix C provides tabular detail of impact results for twenty sectors and five super sectors.

Figure 10: Directly Impacted Industries, Scenario 2

	2002-04	2005-07	2008-12	2013-15	2016-20	2021-25
			Average % Impact			
Pipeline Tranportation Services						
Gross Domestic Product	0.03	0.53	8.92	10.58	10.03	9.43
Employment (a)	0.00	0.05	0.24	0.33	0.33	0.33
Investment	8.74	40.76	9.28	0.50	3.64	6.24
Oil & Gas Facility Construction						
Gross Domestic Product	1.78	10.51	0.06	-0.02	-0.01	-0.01
Employment (a)	1.35	7.02	0.00	-0.16	-0.17	-0.17
Investment	0.09	0.40	-0.19	0.05	0.04	-0.03
Primary Iron & Steel Manufacturing						
Gross Domestic Product	0.86	2.17	-0.31	-0.39	-0.39	-0.50
Employment (a)	0.37	1.13	-0.12	-0.20	-0.22	-0.33
Investment	0.04	1.95	-1.33	-0.21	-0.12	-0.08
Aircraft & Part Manufacturing						
Gross Domestic Product	0.17	1.73	1.12	-0.13	0.31	0.61
Employment (a)	0.07	0.59	0.35	-0.10	0.09	0.24
Investment	0.05	0.85	0.04	0.32	0.29	0.43

(a) Average Level Impact in Thousands

Qualifications

The framework used provides the basis for developing a relatively complete view of the impacts. Targeting of sector effects is aided by the detail available in the model structure and expert opinion about development costs and operations. The overall macroeconomic indications of effects are likely to be a close representation of impacts.

Although informed through the capital expenditure profile provided by Foothills Pipeline Limited, a more detailed procurement analysis could significantly alter the industry sector impacts that are reported. Detailed construction employment in person years, type of occupation, location of spreads, and wage rates would aid in more accurately portraying the employment effects of the Alaska Highway Pipeline Project.

Downside

Lower continental gas prices would hamper the desirability of the AHPP, from both the producer's and Foothill's point of view. This would have more of an effect if the lower price were thought to continue, than if the lower price was a temporary phenomenon. A lower energy price would actually have beneficial effects during the construction phase by lowering input costs.

A second downside risk is the "failure" of the project for reasons other than "cost" or gas prices. For example, the AHPP spans many jurisdictions with different governing bodies, and one or more could hold up progress or prevent the project entirely.

Upside

Canadian content is increased in the production of the pipe and compressors (currently 90 per cent) or in supplying the heavy equipment used to place and weld the pipe. This could also be a **downside**, if the input specifications change such that Canadian suppliers are unable to competitively tender bids or produce to the new specifications.

Increased exploration and development of natural gas reserves in northern Canada would benefit provincial, territorial and national economies. The existence of the AHPP should enhance the options for northern producers.

The requirements of getting the natural gas from Gordondale to lower 48 markets are not incorporated in these impacts. The tariff revenue from the natural gas to cross Alberta and any other provinces would range from 40 to 50 cents per Mcf. This would increase the impact of the operations period by $600 to $700 million dollars a year. Further, the ultimate flow of 4.0 Bcfd may be too much for existing capacity in Alberta, so investment may be required to increase capacity. This investment would likely occur in the later years of the ramp-up to ultimate flow rates, a rough range of additional investment could be between $1 and $3 billion.

Appendix A: Overview of Model Structure

National - The Informetrica Model (TIM)

TIM is a macroeconomic model of the Canadian economy developed and maintained by Informetrica.

The model is a large, disaggregated econometric model of the Canadian economy. A highly simultaneous model, TIM provides forecasts for almost 10,000 variables, including over 2,400 estimated equations, in four broad economic areas: Final Demand, Industry Activity and Income, Sector Incomes, and the Supply Side. It follows in the tradition of several predecessor models of the CANDIDE family.

Technically, the system of equations is non-linear and simultaneously determined with extensive current-period and dynamic linkages between and within each segment of the model structure.

As a broad view, TIM incorporates detail including consumer expenditure, construction investment, machinery and equipment investment, foreign trade (by direction), government revenue (all major revenue and expenditure categories in the System of National Accounts), detailed industry wages and employment, a detailed demographic model and articulation of energy supply, demand, trade policies and taxes.

One key feature of TIM is the substantial disaggregation of the final demand section. Individual estimates are available for:

- over 70 categories of consumer expenditure,
- government expenditures by function, type and level,
- over 80 export categories with separate equations for the U.S. and rest-of-world,
- over 90 import categories with the same directional detail,
- separate estimates for each of plant and equipment and structures investment as well as associated capital stocks for over 60 industrial categories, and
- projections for residential construction.

The final demand channel is important for the resolution of impacts and for the differentiation of alternatives. Most final demand categories are explained as functions of relative prices and incomes or other activity measures and demographic variables. Thus, any factor that affects either prices or incomes will directly change the level and/or composition of final demand. One characteristic of TIM is endogenous government expenditure with "reaction functions" providing a linkage from the scale and composition of the economy or government revenues and/or activities, back to government expenditure on goods and services. In some policy impacts, these reaction functions are specifically exogenized to exclude an additional government response.

This is the case for the analysis of gas and pipeline developments in northern Canada.[11]

TIM incorporates a 112 sector model of "business" activity to consistently represent the simultaneous relationships between detailed final demand categories and the 112 industry output measures [Gross Domestic Product (GDP) in constant dollars].

An interindustry input-output system translates final demand into activity (constant-dollar GDP at factor cost) for 112 industries. The implementation allows the introduction of special project-specific technology assumptions for impact simulation purposes. The "Business vs. Non-Business[12]" distinction in the National Accounts industrial data is incorporated in TIM. Estimates are available for GDP (output) and its components (wages, surplus, supplementary labour income), as well as paid and other- than-paid employment, for more than 100 industries.

The estimates of output and the corresponding capital stocks are the key explanatory variables in the production functions, which provide consistent estimates of labour demand by industry. Thus, an impact, which initially affected investment, would also be expected to impact labour demand. Estimates of labour demand are provided for more than 100 business and non- business industries. For some industries, the estimates are developed in a two-step, non-linear process to reflect the appropriate adjustment from short-term influences towards the longer-term labour requirements. The average age of the machinery and equipment stock contributes to the pace of disembodied technical change in many of the employment specifications.

Estimates of employment and capital stock are used to develop a complete set of factor income components by industry: wages, supplementary labour income, unincorporated income[13] and producer's surplus. These are combined with industry-specific estimates of taxes, subsidies and import prices to provide estimates of the cost of production. In turn, these domestic cost measures, by industry, are combined with import prices, and tariffs, to provide the final demand prices. Thus, any change in domestic incomes, payroll taxes, unit labour costs or a foreign price is passed to domestic prices through the IO-based prices model.

As a summary view of how industries are assessed in this framework we note that for each of the industry categories in the model, there are a large number of economic attributes endogenously determined. They include:

Measures of Output and Other Supply-side Indicators

- Gross Output (e.g., shipments) in constant and nominal dollars
- Value Added, or Gross Domestic Product, in constant and current dollars

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[11] Tax rates and transfer rates are unchanged, and spending for goods and services is also unchanged. The only exception is for spending to represent training, with this assumed to be delivered by the Territorial government. Changes to real economic activity do alter the base for other transfers (e.g., EI and welfare payments)

[12] Non-business as per the System of National Accounts includes activities financed through non-market mechanisms (e.g., government administration, publicly delivered health care, public parks). Typically,t hese are financed through budget expenditures, although many are also financed partially through cost-recovery programs.

[13] As for farmers, construction, and small retail and business-service firms where unincorporated proprietors do not separately identify proprietor payment for labour services and returns to capital employed.

- Investment in Machinery and Equipment in constant and nominal dollars, and Investment in Structures in constant and nominal dollars
- Capital Stock of Machinery and Equipment in constant dollars, and Capital Stock of Structures in constant dollars
- Scrappage of Machinery and Equipment Capital Stock in constant dollars, and Scrappage of Structures in constant dollars

Measures of Prices and Incomes

- Industry Return to Capital
- Unincorporated Income
- Unit Capital Costs
- Rental Costs of Capital
- Gross Output and Value Added Prices

Measures of Taxes

- Commodity Taxes
- Corporate Taxes
- Subsidies

Employment is available on

- an establishment and
- a labour force survey basis.

There is a balanced production function for most of the industries since output, capital stock and employment are defined. The input-output system provides material input (and technology) information.

Labour Income

Wage income is separated for paid and unpaid workers (i.e., those likely to be compensated through unincorporated income. Supplementary Labour Costs, which are composed of a large number of components, including Employment Insurance payments, contributions to pension plans and workers compensation, etc. are also identified.

Total income is allocated to the four major economic groups or sectors (persons and unincorporated business, governments, corporations and the foreign sector) consistent with factor incomes from production, foreign income flows, investment, income by sector, and government taxation and transfer programs. Tax and subsidy flows are implemented at a very detailed level to match the treatment in the prices model.

The sector incomes and the final demand prices are the major explanatory variables in the determination of final demand, closing the basic structure of the model. Thus, policies, which directly affect sector incomes or prices, feed back on final demand and thence to GDP, employment, factor incomes to return to sector incomes.

TIM provides an assessment of industry and expenditure prices (including CPI) using a mechanism incorporating a detailed treatment of taxes, subsidies, material costs, interest rates, labour costs, profits and foreign prices.

Appendix B: National Macroeconomic Impacts

Figure 11: Canadian Economy Indicators: Scenario 1

Major Economic Indicators

	2002-04	2005-07	2008-12	2013-15	2016-20	2021-25
			Average % Impact			
Gross Domestic Product at Market Prices						
Consumption Expenditure	0.02	0.09	0.05	0.04	0.05	0.08
Government Expenditure	0	0.01	0.01	0.01	0.01	0.01
Business Investment	0.13	0.63	0.11	-0.01	0.04	0.06
Residential	0.01	0.05	0.07	-0.01	-0.07	-0.12
Nonresidential Construction	0.62	2.51	0.03	-0.04	0.01	0.01
Machinery & Equipment	0.04	0.35	0.14	0	0.07	0.1
Inventory Change (a)	23	47	-43	14	8	2
Net Exports (a)	-106	-714	335	723	725	532
Exports (+)	0	-0.03	0.09	0.11	0.11	0.09
Imports (-)	0.02	0.11	0.04	0.02	0.03	0.04
Final Domestic Demand	0.04	0.2	0.06	0.02	0.04	0.06
Gross Domestic Product	**0.03**	**0.13**	**0.08**	**0.08**	**0.09**	**0.1**
Labour Market (000s):						
Labour Force	0	0.03	0.01	0	0.01	0.02
Employment	0.03	0.13	0	-0.01	0.01	0.03
Unemployment	-0.35	-1.53	0.15	0.25	-0.04	-0.3
Unemployment Rate (%) (a)	0	-0.1	0	0	0	0
Capital Stock	0	0.08	0.22	0.19	0.17	0.16
Wages ($000) & Prices (1986=1):						
Labour Income per Employee ($C)(1)	0.01	0.13	0.22	0.16	0.12	0.15
of which, Business	0.02	0.15	0.25	0.19	0.14	0.17
Output per Employee	0	0	0.09	0.1	0.08	0.06
of which, Business	0	-0.02	0.1	0.12	0.09	0.06
Total Factor Productivity	0.01	0.02	0	0.02	0.02	0.01
Total Unit Labour Cost	0.01	0.13	0.14	0.06	0.03	0.09
Real Return on Corporate Operating Surplus (%) (a)	0	-0.06	-0.04	-0.02	-0.03	-0.06
Implicit Deflator of Imports	0.01	0.04	0.01	0.01	0.01	0.01
Implicit Deflator of GDP	0	0.05	0.1	0.07	0.04	0.07
Consumer Price Index	0	0.06	0.08	0.03	0.01	0.03

(a) Average Level Impact

Figure 12: Canadian Economy Indicators: Scenario 1 (cont)

Major Economic Indicators (Continued)

	2002-04	2005-07	2008-12	2013-15	2016-20	2021-25
			Average % Impact			
Number of Households	0	0.02	0.02	0	-0.01	-0.03
Disposable Income/Household	0.02	0.07	0.02	0.04	0.06	0.09
Corporate Pre-tax Profits	0.06	0.07	0.11	0.21	0.07	0.1
All Government Net Lending ($Mn) (a)	197	1092	924	1076	1417	1946
Federal (a)	128	656	511	693	962	1235
Debt/GDP Ratio (%) (a)	-0.02	-0.17	-0.29	-0.39	-0.51	-0.39
Province, Local, Hospitals (a)	56	341	323	287	324	503
Canada & Quebec Pensions (a)	13	93	87	96	131	211
Current Account Balance (a)	-160	-857	952	1581	1620	1917
Merchandise Trade Balance (a)	-122	-733	-404	-367	-510	-635

(a) Average Level Impact

Figure 13: Canadian Economy Indicators: Scenario 2

Major Economic Indicators

	2002-04	2005-07	2008-12	2013-15	2016-20	2021-25
			Average % Impact			
Gross Domestic Product at Market Prices						
Consumption Expenditure	0.04	0.24	0.25	0.28	0.34	0.49
Government Expenditure	0	0.01	0.01	0.01	0.01	0.01
Business Investment	0.13	0.67	0.18	0.02	0.04	0.06
Residential	0.01	0.08	0.15	0.08	-0.01	-0.12
Nonresidential Construction	0.63	2.57	0.09	-0.08	-0.05	0
Machinery & Equipment	0.05	0.4	0.2	0.03	0.07	0.1
Inventory Change (a)	28	80	-50	-7	-1	-63
Net Exports (a)	-133	-1025	-478	-469	-780	-1636
Exports (+)	0	-0.03	0.03	0.02	0	-0.05
Imports (-)	0.03	0.16	0.12	0.1	0.11	0.13
Final Domestic Demand	0.05	0.3	0.19	0.16	0.2	0.27
Gross Domestic Product	**0.04**	**0.21**	**0.14**	**0.12**	**0.13**	**0.14**
Labour Market (000s):						
Labour Force	0	0.05	0.03	0.03	0.04	0.06
Employment	0.04	0.21	0.09	0.05	0.07	0.1
Unemployment	-0.48	-2.6	-0.73	-0.26	-0.47	-0.85
Unemployment Rate (%) (a)	0	-0.2	0	0	0	0
Capital Stock	0	0.08	0.24	0.21	0.18	0.16
Wages ($000) & Prices (1986=1):						
Labour Income per Employee ($C)(1)	0.01	0.14	0.42	0.5	0.51	0.62
of which, Business	0.01	0.17	0.46	0.55	0.56	0.68
Output per Employee	0	-0.02	0.03	0.04	0.02	-0.02
of which, Business	0	-0.05	0.03	0.05	0.02	-0.02
Total Factor Productivity	0.01	0.03	-0.03	-0.02	-0.02	-0.03
Total Unit Labour Cost	0.01	0.16	0.39	0.46	0.49	0.64
Real Return on Corporate Operating Surplus (%) (a)	0	-0.07	-0.08	-0.05	-0.06	-0.1
Implicit Deflator of Imports	0.01	0.06	0.04	0.04	0.04	0.05
Implicit Deflator of GDP	0	0.07	0.26	0.31	0.29	0.35
Consumer Price Index	0	0.08	0.21	0.23	0.22	0.25

(a) Average Level Impact

Figure 14: Canadian Economy Indicators: Scenario 2 (cont)

Major Economic Indicators (Continued)

	2002-04	2005-07	2008-12	2013-15	2016-20	2021-25
			Average % Impact			
Number of Households	0	0.03	0.04	0.02	0	-0.03
Disposable Income/Household	0.04	0.24	0.19	0.22	0.27	0.39
Corporate Pre-tax Profits	0.08	0.19	0.26	0.39	0.3	0.28
All Government Net Lending ($Mn) (a)	82	379	362	305	413	677
Federal (a)	35	61	7	-120	-193	-311
Debt/GDP Ratio (%) (a)	-0.01	-0.08	-0.1	-0.07	-0.01	0.04
Province, Local, Hospitals (a)	33	188	169	182	266	434
Canada & Quebec Pensions (a)	16	130	183	243	338	555
Current Account Balance (a)	-207	-1253	365	864	628	396
Merchandise Trade Balance (a)	-153	-997	-773	-813	-1166	-1745

(a) Average Level Impact

Appendix C: Canadian GDP Impacts by Major Economic Sector

Figure 15: GDP Impacts by Major Sector, Scenario 1

Gross Domestic Product by Sector

	2002-04	2005-07	2008-12	2013-15	2016-20	2021-25
			Average % Impact			
Total Economy	**0.03**	**0.14**	**0.08**	**0.09**	**0.10**	**0.09**
Resource-Based	**0.05**	**0.15**	**0.27**	**0.35**	**0.34**	**0.31**
Food, beverage & tobacco	0.02	0.05	-0.06	0	0.03	0.02
Wood & paper	0.01	0.02	-0.03	0	0.02	0.02
Energy	0.03	0.13	0.89	1.06	1.01	0.97
Chemicals & chemical products	0.02	0.04	-0.04	-0.01	0	-0.01
Metallic minerals & products	0.19	0.46	-0.03	-0.01	0.02	0.02
Durable & Investment	**0.07**	**0.36**	**0.07**	**0**	**0.03**	**0.03**
Machinery and eqpt. (nonelectrical)	0.03	-0.05	-0.41	-0.14	-0.11	-0.11
Transportation eqpt.	0.03	0.24	0.15	-0.01	0.07	0.1
Electrical & electronic components	0.02	0.18	0.09	0.02	0.04	0.04
Construction & related activities	0.15	0.70	0.05	0	0.01	0
Business-Related Services	**0.03**	**0.12**	**0.04**	**0.04**	**0.05**	**0.04**
Transportation services	0.04	0.18	0.06	0.03	0.06	0.08
Communications	0.03	0.12	0.05	0.05	0.06	0.07
Finance & insurance	0.02	0.08	0.04	0.03	0.02	0
General services to business	0.03	0.11	0.01	0.03	0.05	0.02
Consumer Goods & Services	**0.02**	**0.1**	**0.02**	**0.02**	**0.03**	**0.04**
Accommodation, restaurants & recreation	0.04	0.19	0.02	0.04	0.09	0.12
Wholesale and retail trade	0.03	0.12	0.03	0.03	0.05	0.06
Other consumer goods & services	0.02	0.08	-0.01	0.01	0.03	0.02
Imputed rent on owner occupied dwelling	0	0.02	0.02	0	-0.01	-0.03
	0	0	0	0	0	0
Government & SocialS ervices	**0**	**0.01**	**0**	**0**	**0.01**	**0.01**

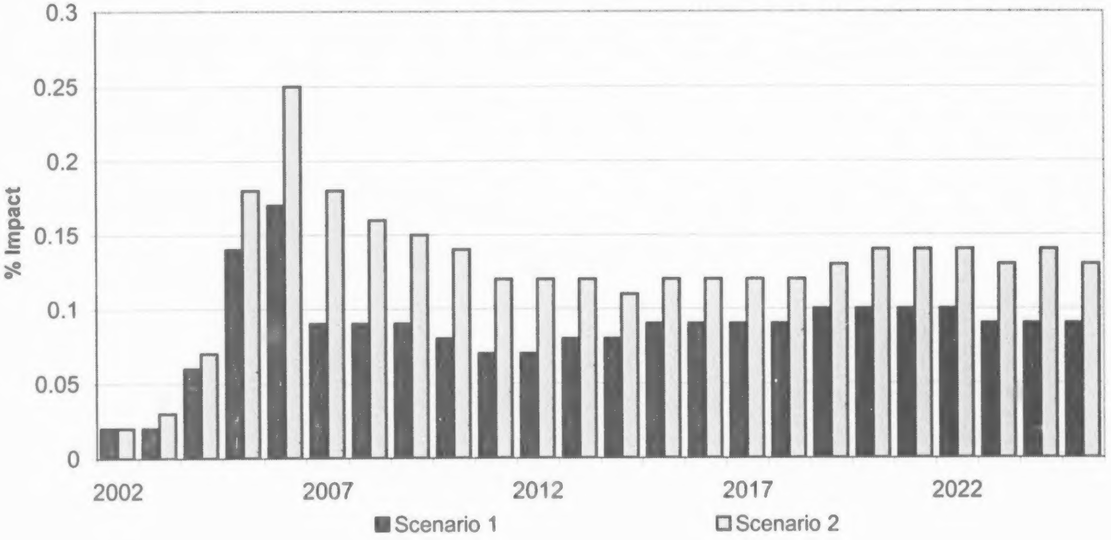
Figure 16: GDP Impacts by Major Sector, Scenario 2

Gross Domestic Product by Sector

	2002-04	2005-07	2008-12	2013-15	2016-20	2021-25
			Average % Impact			
Total Economy	**0.04**	**0.20**	**0.12**	**0.09**	**0.10**	**0.09**
Resource-Based	**0.06**	**0.19**	**0.27**	**0.29**	**0.27**	**0.23**
Food, beverage & tobacco	0.04	0.17	-0.01	-0.03	0	0
Wood & paper	0.01	0.04	-0.05	-0.05	-0.03	-0.01
Energy	0.03	0.16	0.90	1.05	0.99	0.94
Chemicals & chemical products	0.03	0.08	-0.06	-0.09	-0.09	-0.15
Metallic minerals & products	0.2	0.48	-0.11	-0.16	-0.15	-0.18
Durable & Investment	**0.08**	**0.41**	**0.07**	**-0.07**	**-0.08**	**-0.12**
Machinery and eqpt. (nonelectrical)	0.03	-0.07	-0.71	-0.57	-0.57	-0.64
Transportation eqpt.	0.04	0.25	0.04	-0.2	-0.13	-0.18
Electrical & electronic components	0.03	0.25	0.17	0.01	-0.01	-0.05
Construction & related activities	0.16	0.75	0.09	-0.02	-0.02	-0.03
Business-Related Services	**0.04**	**0.19**	**0.08**	**0.04**	**0.05**	**0.05**
Transportation services	0.05	0.27	0.13	0.07	0.09	0.11
Communications	0.04	0.24	0.15	0.14	0.16	0.19
Finance & insurance	0.03	0.13	0.07	0.04	0.02	-0.01
General services to business	0.04	0.15	-0.05	-0.10	-0.10	-0.15
Consumer Goods & Services	**0.04**	**0.20**	**0.12**	**0.10**	**0.12**	**0.16**
Accommodation, restaurants & recreation	0.09	0.50	0.31	0.27	0.36	0.52
Wholesale and retail trade	0.04	0.22	0.13	0.12	0.15	0.22
Other consumer goods & services	0.04	0.17	0.05	0.03	0.04	0.04
Imputed rent on owner occupied dwelling	0	0.03	0.04	0.03	0	-0.03
Government & Social Services	**0.01**	**0.04**	**0.03**	**0.04**	**0.05**	**0.07**

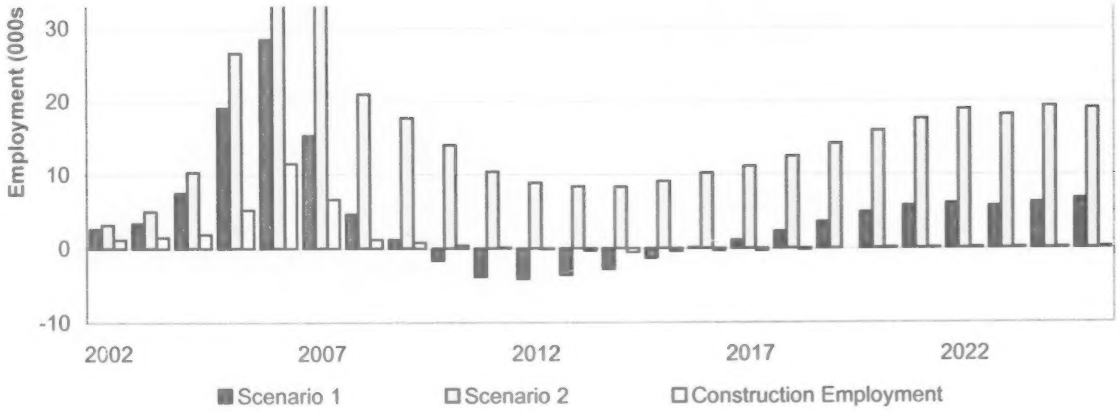
GDP

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Scenario 1	0	0	0.02	0.02	0.06	0.14	0.17	0.09	0.09	0.09	0.08
Scenario 2	0	0	0.02	0.03	0.07	0.18	0.25	0.18	0.16	0.15	0.14
Scenario 1	0	0	2.6	3.4	7.5	19.1	28.5	15.3	4.6	1.2	-1.6
Scenario 2	0	0	3.2	5	10.3	26.6	43.4	33.9	21	17.7	14
Construction Employmen	0	0	1.2	1.5	1.9	5.2	11.5	6.6	1.2	0.8	0.4



2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
0.07	0.07	0.08	0.08	0.09	0.09	0.09	0.09	0.1	0.1	0.1	0.1	0.09
0.12	0.12	0.12	0.11	0.12	0.12	0.12	0.12	0.13	0.14	0.14	0.14	0.13
-3.8	-4.1	-3.6	-2.8	-1.3	0.1	1.1	2.3	3.6	4.9	5.8	6.1	5.7
10.4	8.9	8.4	8.3	9.1	10.2	11.1	12.5	14.2	16	17.6	18.9	18.1
0.1	-0.1	-0.3	-0.5	-0.4	-0.3	-0.3	-0.2	0	0.1	0.1	0.1	0.1

2024	2025
0.09	0.09
0.14	0.13
6.2	6.7
19.3	19
0.1	0.2



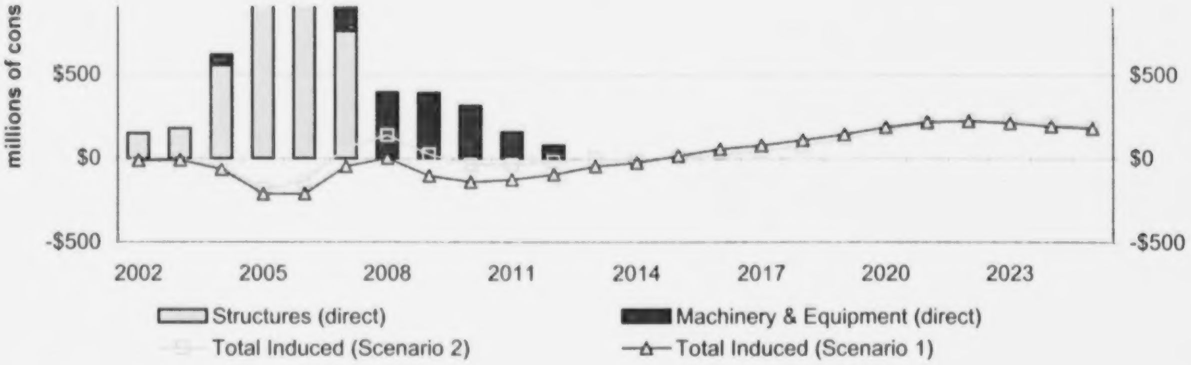
Direct Investment

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Structures (direct)	0	0	$150	$178	$559	$1,457	$1,648	$766	$19	$17	$13
Machinery & Equipment (	0	0	$0	$0	$64	$219	$325	$287	$376	$376	$300
Total Induced (Scenario 1	0	0	-$13	-$11	-$66	-$213	-$210	-$47	$2	-$104	-$140
Total Induced (Scenario 2	0	0	-$11	-$7	-$53	-$180	-$139	$64	$139	$23	-$36
Structures (Scenario 2)	0	0	128	155	483	1227	1387	701	117	72	28
M&E (Scenario 2)	0	0	10	15	87	270	447	417	417	343	250
Structures (Scenario 1)	0	0	127	153	478	1214	1361	660	73	33	1
M&E (Scenario 1)	0	0	9	14	79	249	402	346	323	256	173

1.328
0.679

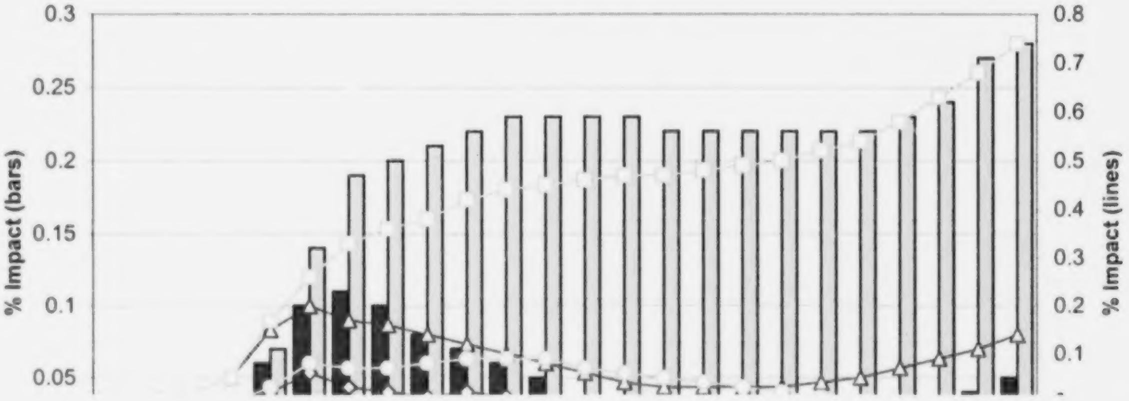
2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
$8	$4	0	0	0	0	0	0	0	0	0	0	0
$150	$75	0	0	0	0	0	0	0	0	0	0	0
-$127	-$96	-$47	-$25	$16	$57	$79	$109	$145	$187	$217	$223	$211
-$36	-$19	-$1	-$10	$4	$25	$46	$76	$119	$170	$208	$227	$227
7	-10	-31	-47	-46	-39	-41	-37	-25	-13	-7	-4	-4
115	69	30	37	50	64	87	113	144	183	215	231	232
-12	-19	-26	-26	-12	3	1	6	11	15	13	8	4
44	2	-21	1	28	54	78	103	134	172	204	216	207

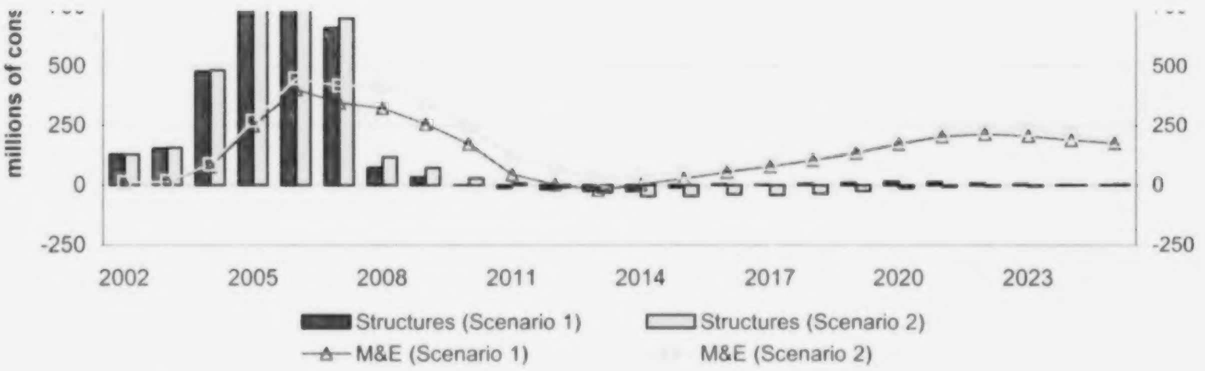
2024	2025
0	0
0	0
$192	$178
$211	$189
0	4
211	185
2	2
190	176



CPI

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Scenario 1 CPI	0	0	0	0	0.01	0.02	0.06	0.1	0.11	0.1	0.08
Scenario 2 CPI	0	0	0	0	0.01	0.03	0.07	0.14	0.19	0.2	0.21
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Scenario 1 CPI	0	0	0	0	0.01	0.02	0.06	0.1	0.11	0.1	0.08
Scenario 2 CPI	0	0	0	0	0.01	0.03	0.07	0.14	0.19	0.2	0.21
Scenario 1 ULC	0	0	0.01	0.01	0.02	0.05	0.15	0.2	0.17	0.16	0.14
Scenario 2 ULC	0	0	0.01	0.01	0.02	0.05	0.17	0.26	0.33	0.36	0.38
Scenario 1 UCC	0	0	0	0	-0.01	-0.01	0.02	0.06	0.03	0.02	0.01
Scenario 2 UCC	0	0	0	0	-0.01	0	0.03	0.08	0.07	0.07	0.08

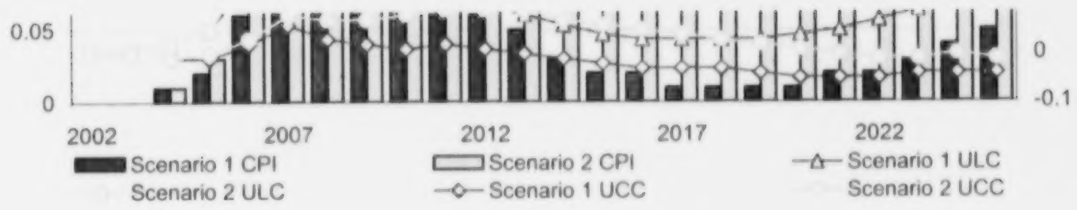




0.07	0.06	0.05	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.03
0.22	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.24

0.07	0.06	0.05	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.03
0.22	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.24
0.12	0.1	0.08	0.06	0.04	0.03	0.03	0.03	0.03	0.04	0.05	0.07	0.09
0.42	0.44	0.45	0.46	0.47	0.47	0.48	0.49	0.5	0.52	0.54	0.58	0.63
0.02	0.01	0	-0.01	-0.02	-0.03	-0.03	-0.03	-0.04	-0.05	-0.05	-0.05	-0.04
0.09	0.09	0.09	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0	-0.01	-0.01

0.04	0.05
0.27	0.28
0.04	0.05
0.27	0.28
0.11	0.14
0.68	0.74
-0.04	-0.04
0	-0.01


0.05
0
0
-0.1
2002
2007
2012
2017
2022
Scenario 1 CPI
Scenario 2 CPI
Scenario 1 ULC
Scenario 2 ULC
Scenario 1 UCC
Scenario 2 UCC

Major Economic Indicators: Canada

Yukon AHPP Impact (govt)	4-Feb	7-May	12-Aug	13-15	16-20	21-25
		Average % Impact				
Gross Domestic Product at Market Prices (Mn$86):						
Consumption Expenditure	0.04	0.24	0.25	0.28	0.34	0.49
Government Expenditure	0	0.01	0.01	0.01	0.01	0.01
Business Investment	0.13	0.67	0.18	0.02	0.04	0.06
Residential	0.01	0.08	0.15	0.08	-0.01	-0.12
Nonresidential Construction	0.63	2.57	0.09	-0.08	-0.05	0
Machinery & Equipment	0.05	0.4	0.2	0.03	0.07	0.1
Memo: Investment Effort (%) (a)	0	0	0	0	0	0
Inventory Change (a)	28	80	-50	-7	-1	-63
Net Exports (a)	-133	-1025	-478	-469	-780	-1636
Exports (+)	0	-0.03	0.03	0.02	0	-0.05
Imports (-)	0.03	0.16	0.12	0.1	0.11	0.13
Final Domestic Demand	0.05	0.3	0.19	0.16	0.2	0.27
Gross Domestic Product	0.04	0.21	0.14	0.12	0.13	0.14
Nonresident Investment Income						
Receipts (+)	0	-0.1	-0.28	-0.31	-0.29	-0.35
Payments (-)	0.03	0.05	-0.09	-0.13	-0.14	-0.21
Gross National Product	0.04	0.21	0.14	0.12	0.13	0.15
Capital Stock	0	0.08	0.24	0.21	0.18	0.16
Labour Market (000s):						
Source Population	0	0	0	0	0	0
Total Participation Rate (%) (a)	0	0	0	0	0	0
Labour Force	0	0.05	0.03	0.03	0.04	0.06
Employment	0.04	0.21	0.09	0.05	0.07	0.1
Unemployment	-0.48	-2.6	-0.73	-0.26	-0.47	-0.85
Unemployment Rate (%) (a)	0	-0.2	0	0	0	0
Wages ($000) & Prices (1986=1):						
Labour Income per Employee ($C)(1)	0.01	0.14	0.42	0.5	0.51	0.62
of which, Business	0.01	0.17	0.46	0.55	0.56	0.68
Output per Employee ($86)	0	-0.02	0.03	0.04	0.02	-0.02
of which, Business	0	-0.05	0.03	0.05	0.02	-0.02
Total Factor Productivity	0.01	0.03	-0.03	-0.02	-0.02	-0.03
Total Unit Labour Cost	0.01	0.16	0.39	0.46	0.49	0.64
Real Return on Corporate (a) Operating Surplus (%)	0	-0.07	-0.08	-0.05	-0.06	-0.1
Indirect Taxes less Subsidies (a) (% of GDP in Nominal $)	0	0	0	0	0.01	0.02
Implicit Deflator of Imports	0.01	0.06	0.04	0.04	0.04	0.05
of which, Oil	0	0	0	0	0	0

Terms of Trade (Merchandise)	-0.01	-0.03	0.04	0.06	0.05	0.06
Implicit Deflator of GDP	0	0.07	0.26	0.31	0.29	0.35
Consumer Price Index	0	0.08	0.21	0.23	0.22	0.25
CPI less Food & Energy	0	0.07	0.2	0.21	0.19	0.22

Yukon AHPP Impact (govt)	**4-Feb**	**7-May**	**12-Aug**	**13-15**	**16-20**	**21-25**
			Average % Impact			
Gross domestic product at factor cost (Mn$86):						
Gross Domestic Product	0.04	0.2	0.12	0.09	0.1	0.09
Business	0.05	0.23	0.14	0.1	0.1	0.1
Industrial Production	0.05	0.21	0.02	-0.04	-0.04	-0.08
Other Goods Producers	0.03	0.09	-0.05	-0.07	-0.05	-0.06
Services	0.05	0.24	0.19	0.18	0.18	0.19
Non-Business	0	0.03	0.03	0.03	0.04	0.06
Incomes (Mn$C):						
GDP at Factor Cost	0.04	0.28	0.39	0.42	0.41	0.47
at Market Prices	0.04	0.28	0.4	0.42	0.42	0.49
Disposable Income/Household ($86)	0.04	0.24	0.19	0.22	0.27	0.39
Shares (%) of Personal Income						
Government Transfers (a)	-0.01	-0.06	-0.04	-0.04	-0.04	-0.04
Direct Personal Taxes (a)	-0.01	-0.05	-0.04	-0.05	-0.05	-0.08
Corporate Pre-tax Profits	0.08	0.19	0.26	0.39	0.3	0.28
Personal Savings Rate (%) (a)	0.01	0.03	-0.02	-0.04	-0.06	-0.12
All Government Net Lending ($Mn) (a)	82	379	362	305	413	677
Federal (a)	35	61	7	-120	-193	-311
Debt/GDP Ratio (%) (a)	-0.01	-0.08	-0.1	-0.07	-0.01	0.04
Primary Balance (% of GDP) (a)	0	0	-0.01	-0.02	-0.02	-0.03
Province, Local, Hospitals (a)	33	188	169	182	266	434
Primary Balance (% of GDP) (a)	0	0.01	0	0	0	0
Canada & Quebec Pensions (a)	16	130	183	243	338	555
Current Account Balance (a)	-207	-1253	365	864	628	396
Merchandise Trade Balance (a)	-153	-997	-773	-813	-1166	-1745
Population and Housing (000s):						
Net Immigration (a)	0	0	0	0	0	0
Total Fertility Rate (child/woman) (a)	0	0	0	0	-1	-1
Population	0	0	0	0	0	0
Households	0	0.03	0.04	0.02	0	-0.03
Housing Starts (a)	0	0	0	0	0	-1
Financial:						
Exchange Rate (centsUS/$Can) (a)	0	0	0	0	0	0
Real Exchange Rate (a)	0	0	0	0	0	0
90-day Commercial Paper (%) (a)	0	0	0	0	0	0
Real 90-day Rate (2) (a)	0	0	0	0	0	0
Corporate Long-term Bonds (a)	0	0	0	0	0	0
Real Bond Yield (2) (a)	0	0	0	0	0	0
Foreign:						
US GNP (Bn$82)	0	0	0	0	0	0
US GNP Deflator (1982=100)	0	0	0	0	0	0

US WTI Oil ($C/bbl) (a)	0	0	0	0	0	0
US 90-day Commercial Paper (a)	0	0	0	0	0	0
US Moody's Bond Rate (a)	0	0	0	0	0	0
GDP,G7(less Can&US)(1980=100)	0	0	0	0	0	0

(a) Average Level Impact

Sources: Informetrica Ltd., Statistics Canada, & Economic Advisors (US)

Notes: (1) Includes supplementary labour income
(2) Uses GDP deflator at market prices

Gross Domestic Product by Industry
Millions of 1986 Constant Dollars

Yukon AHPP Impact (govt)	4-Feb	7-May	12-Aug	13-15	16-20	21-25
		Average % Impact				
Total - Gross Domestic Product Business + Nonbusiness	0.04	0.2	0.12	0.09	0.1	0.09
Resource-Based Goods	0.06	0.19	0.27	0.29	0.27	0.23
Food, beverage & tobacco	0.04	0.17	-0.01	-0.03	0	0
Wood & paper	0.01	0.04	-0.05	-0.05	-0.03	-0.01
Energy	0.03	0.16	0.9	1.05	0.99	0.94
Chemicals & chemical products	0.03	0.08	-0.06	-0.09	-0.09	-0.15
Metallic minerals & products	0.2	0.48	-0.11	-0.16	-0.15	-0.18
Durable & Investment Goods & Svcs	0.08	0.41	0.07	-0.07	-0.08	-0.12
Machinery and eqpt. (nonelectrical)	0.03	-0.07	-0.71	-0.57	-0.57	-0.64
Transportation eqpt.	0.04	0.25	0.04	-0.2	-0.13	-0.18
Electrical & electronic components	0.03	0.25	0.17	0.01	-0.01	-0.05
Construction & related activities	0.16	0.75	0.09	-0.02	-0.02	-0.03
Business-Related Services	0.04	0.19	0.08	0.04	0.05	0.05
Transportation services	0.05	0.27	0.13	0.07	0.09	0.11
Communications	0.04	0.24	0.15	0.14	0.16	0.19
Finance & insurance	0.03	0.13	0.07	0.04	0.02	-0.01
General services to business	0.04	0.15	-0.05	-0.1	-0.1	-0.15
Consumer Goods & Services	0.04	0.2	0.12	0.1	0.12	0.16
Accommodation, restaurants & recreation	0.09	0.5	0.31	0.27	0.36	0.52
Wholesale and retail trade	0.04	0.22	0.13	0.12	0.15	0.22
Other consumer goods & services	0.04	0.17	0.05	0.03	0.04	0.04
Imputed rent on owner occupied dwelling	0	0.03	0.04	0.03	0	-0.03
Government & Social Services	0.01	0.04	0.03	0.04	0.05	0.07
Government services	0	0.01	0.01	0.01	0.01	0.01
Education	0	0.02	0	0.01	0.01	0
Health & social services	0.01	0.08	0.08	0.09	0.11	0.15

Major Economic Indicators: Canada

Yukon AHPP Impact (debt)	**4-Feb**	**7-May**	**12-Aug**	**13-15**	**16-20**	**21-25**
		Average % Impact				
Gross Domestic Product at Market Prices (Mn$86):						
Consumption Expenditure	0.02	0.09	0.05	0.04	0.05	0.08
Government Expenditure	0	0.01	0.01	0.01	0.01	0.01
Business Investment	0.13	0.63	0.11	-0.01	0.04	0.06
Residential	0.01	0.05	0.07	-0.01	-0.07	-0.12
Nonresidential Construction	0.62	2.51	0.03	-0.04	0.01	0.01
Machinery & Equipment	0.04	0.35	0.14	0	0.07	0.1
Memo: Investment Effort (%) (a)	0	0	0	0	0	0
Inventory Change (a)	23	47	-43	14	8	2
Net Exports (a)	-106	-714	335	723	725	532
Exports (+)	0	-0.03	0.09	0.11	0.11	0.09
Imports (-)	0.02	0.11	0.04	0.02	0.03	0.04
Final Domestic Demand	0.04	0.2	0.06	0.02	0.04	0.06
Gross Domestic Product	0.03	0.13	0.08	0.08	0.09	0.1
Nonresident Investment Income						
Receipts (+)	0	-0.07	-0.11	-0.05	-0.01	-0.04
Payments (-)	0.02	0.02	-0.03	-0.01	-0.03	-0.07
Gross National Product	0.03	0.14	0.08	0.09	0.1	0.1
Capital Stock	0	0.08	0.22	0.19	0.17	0.16
Labour Market (000s):						
Source Population	0	0	0	0	0	0
Total Participation Rate (%) (a)	0	0	0	0	0	0
Labour Force	0	0.03	0.01	0	0.01	0.02
Employment	0.03	0.13	0	-0.01	0.01	0.03
Unemployment	-0.35	-1.53	0.15	0.25	-0.04	-0.3
Unemployment Rate (%) (a)	0	-0.1	0	0	0	0
Wages ($000) & Prices (1986=1):						
Labour Income per Employee ($C)(1)	0.01	0.13	0.22	0.16	0.12	0.15
of which, Business	0.02	0.15	0.25	0.19	0.14	0.17
Output per Employee ($86)	0	0	0.09	0.1	0.08	0.06
of which, Business	0	-0.02	0.1	0.12	0.09	0.06
Total Factor Productivity	0.01	0.02	0	0.02	0.02	0.01
Total Unit Labour Cost	0.01	0.13	0.14	0.06	0.03	0.09
Real Return on Corporate (a) Operating Surplus (%)	0	-0.06	-0.04	-0.02	-0.03	-0.06
Indirect Taxes less Subsidies (a) (% of GDP in Nominal $)	0	0	0	-0.01	0	0
Implicit Deflator of Imports	0.01	0.04	0.01	0.01	0.01	0.01
of which, Oil	0	0	0	0	0	0

Terms of Trade (Merchandise)	-0.01	-0.03	0.01	0	-0.01	-0.01
Implicit Deflator of GDP	0	0.05	0.1	0.07	0.04	0.07
Consumer Price Index	0	0.06	0.08	0.03	0.01	0.03
CPI less Food & Energy	0	0.05	0.08	0.03	0.01	0.03

Yukon AHPP Impact (debt)	**4-Feb**	**7-May**	**12-Aug**	**13-15**	**16-20**	**21-25**
		Average % Impact				
Gross domestic product at factor cost (Mn$86):						
Gross Domestic Product	0.03	0.14	0.08	0.09	0.1	0.09
Business	0.04	0.15	0.09	0.1	0.11	0.1
Industrial Production	0.05	0.16	0.03	0.03	0.05	0.05
Other Goods Producers	0.01	0.02	-0.05	-0.02	0.01	0.01
Services	0.03	0.16	0.12	0.14	0.14	0.13
Non-Business	0	0	0	0	0.01	0.01
Incomes (Mn$C):						
GDP at Factor Cost	0.03	0.19	0.19	0.16	0.14	0.17
at Market Prices	0.03	0.19	0.18	0.15	0.13	0.16
Disposable Income/Household ($86)	0.02	0.07	0.02	0.04	0.06	0.09
Shares (%) of Personal Income						
Government Transfers (a)	-0.01	-0.04	-0.01	-0.01	-0.01	-0.02
Direct Personal Taxes (a)	0.01	0.05	0.03	0.02	0.02	0.02
Corporate Pre-tax Profits	0.06	0.07	0.11	0.21	0.07	0.1
Personal Savings Rate (%) (a)	0	0	-0.01	0	0	-0.02
All Government Net Lending ($Mn) (a)	197	1092	924	1076	1417	1946
Federal (a)	128	656	511	693	962	1235
Debt/GDP Ratio (%) (a)	-0.02	-0.17	-0.29	-0.39	-0.51	-0.39
Primary Balance (% of GDP) (a)	0.01	0.04	0.02	0.01	0.01	0.02
Province, Local, Hospitals (a)	56	341	323	287	324	503
Primary Balance (% of GDP) (a)	0	0.02	0.01	0.01	0.01	0.01
Canada & Quebec Pensions (a)	13	93	87	96	131	211
Current Account Balance (a)	-160	-857	952	1581	1620	1917
Merchandise Trade Balance (a)	-122	-733	-404	-367	-510	-635
Population and Housing (000s):						
Net Immigration (a)	0	0	0	0	0	0
Total Fertility Rate (child/woman) (a)	0	0	0	0	-1	0
Population	0	0	0	0	0	0
Households	0	0.02	0.02	0	-0.01	-0.03
Housing Starts (a)	0	0	0	0	0	0
Financial:						
Exchange Rate (centsUS/$Can) (a)	0	0	0	0	0	0
Real Exchange Rate (a)	0	0	0	0	0	0
90-day Commercial Paper (%) (a)	0	0	0	0	0	0
Real 90-day Rate (2) (a)	0	0	0	0	0	0
Corporate Long-term Bonds (a)	0	0	0	0	0	0
Real Bond Yield (2) (a)	0	0	0	0	0	0
Foreign:						
US GNP (Bn$82)	0	0	0	0	0	0
US GNP Deflator (1982=100)	0	0	0	0	0	0

US WTI Oil ($C/bbl) (a)	0	0	0	0	0	0
US 90-day Commercial Paper (a)	0	0	0	0	0	0
US Moody's Bond Rate (a)	0	0	0	0	0	0
GDP,G7(less Can&US)(1980=100)	0	0	0	0	0	0

(a) Average Level Impact

Sources: Informetrica Ltd., Statistics Canada, & Economic Advisors (US)

Notes: (1) Includes supplementary labour income

(2) Uses GDP deflator at market prices

Gross Domestic Product by Industry
Millions of 1986 Constant Dollars

Yukon AHPP Impact (debt)	4-Feb	7-May	12-Aug	13-15	16-20	21-25
		Average % Impact				
Total - Gross Domestic Product Business + Nonbusiness	0.03	0.14	0.08	0.09	0.1	0.09
Resource-Based Goods	0.05	0.15	0.27	0.35	0.34	0.31
Food, beverage & tobacco	0.02	0.05	-0.06	0	0.03	0.02
Wood & paper	0.01	0.02	-0.03	0	0.02	0.02
Energy	0.03	0.13	0.89	1.06	1.01	0.97
Chemicals & chemical products	0.02	0.04	-0.04	-0.01	0	-0.01
Metallic minerals & products	0.19	0.46	-0.03	-0.01	0.02	0.02
Durable & Investment Goods & Svcs	0.07	0.36	0.07	0	0.03	0.03
Machinery and eqpt. (nonelectrical)	0.03	-0.05	-0.41	-0.14	-0.11	-0.11
Transportation eqpt.	0.03	0.24	0.15	-0.01	0.07	0.1
Electrical & electronic components	0.02	0.18	0.09	0.02	0.04	0.04
Construction & related activities	0.15	0.7	0.05	0	0.01	0
Business-Related Services	0.03	0.12	0.04	0.04	0.05	0.04
Transportation services	0.04	0.18	0.06	0.03	0.06	0.08
Communications	0.03	0.12	0.05	0.05	0.06	0.07
Finance & insurance	0.02	0.08	0.04	0.03	0.02	0
General services to business	0.03	0.11	0.01	0.03	0.05	0.02
Consumer Goods & Services	0.02	0.1	0.02	0.02	0.03	0.04
Accommodation, restaurants & recreation	0.04	0.19	0.02	0.04	0.09	0.12
Wholesale and retail trade	0.03	0.12	0.03	0.03	0.05	0.06
Other consumer goods & services	0.02	0.08	-0.01	0.01	0.03	0.02
Imputed rent on owner occupied dwelling	0	0.02	0.02	0	-0.01	-0.03
Government & Social Services	0	0.01	0	0	0.01	0.01
Government services	0	0	0	0	0	0
Education	0	-0.02	-0.03	-0.01	-0.01	-0.02
Health & social services	0	0.03	0.02	0.02	0.02	0.03

Pipeline Investment: Directly affected

Yukon AHPP Impact (govt)	4-Feb	7-May
Pipeline Tranportation Services		
Gross Domestic Product	0.029	0.525
Employment (a)	0	0.048
Investment	8.74	40.764
Oil&Gas Facility Construction		
Gross Domestic Product	1.784	10.505
Employment (a)	1.348	7.023
Investment	0.089	0.397
Primary Iron & Steel Manufacturing		
Gross Domestic Product	0.857	2.165
Employment (a)	0.373	1.126
Investment	0.044	1.948
Aircraft & Part Manufacturing		
Gross Domestic Product	0.167	1.726
Employment (a)	0.067	0.586
Investment	0.051	0.847

(a) Average Level Impact

Industries

12-Aug	13-15	16-20	21-25
Average % Impact			
8.918	10.579	10.031	9.427
0.236	0.327	0.327	0.327
9.28	0.497	3.644	6.241
0.062	-0.021	-0.005	-0.006
0.002	-0.155	-0.168	-0.174
-0.188	0.054	0.042	-0.028
-0.311	-0.394	-0.39	-0.504
-0.115	-0.2	-0.223	-0.327
-1.331	-0.212	-0.12	-0.083
1.124	-0.125	0.31	0.61
0.354	-0.102	0.093	0.242
0.038	0.322	0.287	0.431

Pipeline Investment: Directly affected

Yukon AHPP Impact (debt)	4-Feb	7-May
Pipeline Tranportation Services		
Gross Domestic Product	0.028	0.516
Employment (a)	0	0.048
Investment	8.74	40.764
Oil&Gas Facility Construction		
Gross Domestic Product	1.783	10.505
Employment (a)	1.348	7.017
Investment	0.086	0.374
Primary Iron & Steel Manufacturing		
Gross Domestic Product	0.846	2.131
Employment (a)	0.367	1.091
Investment	0.041	1.921
Aircraft & Part Manufacturing		
Gross Domestic Product	0.16	1.691
Employment (a)	0.061	0.538
Investment	0.048	0.829

(a) Average Level Impact

Industries

12-Aug	13-15	16-20	21-25
Average % Impact			
8.928	10.611	10.073	9.497
0.236	0.327	0.327	0.327
9.28	0.498	3.644	6.242
0.088	0.005	0.003	-0.005
0.005	-0.15	-0.174	-0.172
-0.2	0.074	0.044	-0.031
-0.143	-0.078	-0.025	-0.031
-0.097	-0.111	-0.072	-0.062
-1.267	0.01	0.069	0.069
1.208	0.029	0.469	0.751
0.343	-0.046	0.209	0.445
0.052	0.332	0.303	0.443

Table 1: Profile of the Alaska Highway Pipeline Project over Time and by Region (Cdn$)

		Profile of Capital Expenditure										
	Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Alaska Segment	**$ 6,627**	**$ 111**	**$ 131**	**$ 508**	**$ 1,540**	**$ 2,091**	**$ 1,085**	**$ 343**	**$ 340**	**$ 272**	**$ 137**	**$ 68**
Canada Segment[1]	**$ 6,990**	**$ 150**	**$ 178**	**$ 622**	**$ 1,676**	**$ 1,973**	**$ 1,053**	**$ 395**	**$ 393**	**$ 314**	**$ 158**	**$ 79**
Yukon Segment	$ 3,798	$ 77	$ 91	$ 329	$ 896	$ 1,070	$ 576	$ 224	$ 223	$ 178	$ 90	$ 45
British Columbia Segment	$ 3,011	$ 67	$ 79	$ 273	$ 722	$ 843	$ 451	$ 170	$ 169	$ 135	$ 68	$ 34
Alberta Segement	$ 181	$ 6	$ 7	$ 21	$ 58	$ 60	$ 27	$ 1	$ 1	$ 1	$ 0	$ 0
Total Project	**$ 13,617**	**$ 260**	**$ 309**	**$ 1,131**	**$ 3,216**	**$ 4,064**	**$ 2,138**	**$ 737**	**$ 733**	**$ 586**	**$ 295**	**$ 147**
Natural Gas Flow (Bcf/d)[2]							2.5	2.8	3.1	3.4	3.7	4.0

1 Canadian portion of the project is specified as the Alaska-Yukon Border to Gordondale Alberta

2 Billion cubic feet per day and this volume begins on the 1st of November of the given year.

N.B. All dollar amounts are given in constant 2000 dollars.

Table 2: Distribution of Project Capital Cost, Distance and Calculated Tariff

	Expenditure by Segment			Length of Segment			Tariff[2]			Compressors	
	Cdn$	US$[3]		miles	km		Cdn$	US$[3]		Initial	Ultimate
Alaska Segment	**$ 6,627**	**$ 4,418**	**49%**	**741**	**1,193**	**42%**	**$ 0.766**	**$ 0.511**	**49%**	**5**	**16**
Canada Segment[1]	**$ 6,990**	**$ 4,660**	**51%**	**1,005**	**1,617**	**58%**	**$ 0.805**	**$ 0.537**	**51%**	**7**	**24**
Yukon Segment	$ 3,798	$ 2,532	54%	517	832	51%	$ 0.435	$ 0.290	54%	3	10
British Columbia Segment	$ 3,011	$ 2,007	43%	448	721	45%	$ 0.348	$ 0.232	43%	4	14
Alberta Segement	$ 181	$ 121	3%	40	64	4%	$ 0.023	$ 0.015	3%	0	0
Total Project	**$ 13,617**	**$ 9,078**		**1,746**	**2,810**		**$ 1.572**	**$ 1.048**		**12**	**40**

1 Canadian portion of the project is specified as the Alaska-Yukon Border to Gordondale Alberta

2 Given in dollars per thousand cubic feet. Calculated using Cost-Benefit Framework and Operation Phase Cost of 1% of total CAPEX.

3 Exchange rate is assumed to be such that $1.50 Canadian is equal to $1.00 US.

N.B. The remaining $522 million (US$) of the quoted $9,700 million for the Ultimate AHPP is accounted for by a 1.5 % annual escalation of prices.

N.B. All dollar amounts are given in constant 2000 dollars.

Table 3a: Employment during Operations in Person Years[4]

	2005	2006[2]	2007	2008	2009	2010	2011	2012	2013[3]	2014	2015	2016
Alaska Segment	**0**	**50**	**83**	**134**	**155**	**176**	**197**	**217**	**235**	**235**	**235**	**235**
Canada Segment[1]	**0**	**50**	**95**	**172**	**204**	**236**	**268**	**300**	**327**	**327**	**327**	**327**
Yukon Segment	0	50	73	107	120	133	146	160	171	171	171	171
British Columbia Segment	0	0	21	55	74	93	112	131	147	147	147	147
Alberta Segement	0	0	2	9	9	9	9	9	9	9	9	9
Total Project	**0**	**100**	**179**	**306**	**359**	**412**	**465**	**518**	**562**	**562**	**562**	**562**

1 Canadian portion of the project is specified as the Alaska-Yukon Border to Gordondale Alberta

2 The pipeline is operational in November of 2007, but head offices are set up in 2006 (Alaska and Whitehorse)

3 Employment remains at these levels trhough the remainder of the impact.

4 Person year is equivalent to a 35.5 hrs/week.

Table 3b: Tariff Income for Transport of Pipeline Service (Cdn$)

	2005	2006[2]	2007	2008	2009	2010	2011	2012	2013[3]	2014	2015	2016
Alaska Segment	**0**	**0**	**124**	**760**	**849**	**938**	**1028**	**1117**	**1192**	**1192**	**1192**	**1192**
Canada Segment[1]	**0**	**0**	**130**	**798**	**892**	**986**	**1080**	**1174**	**1252**	**1252**	**1252**	**1252**
Yukon Segment	0	0	70	431	482	532	583	634	676	676	676	676
British Columbia Segment	0	0	56	345	385	426	467	507	541	541	541	541
Alberta Segement	0	0	4	23	25	28	31	33	36	36	36	36
Total Project	**0**	**0**	**255**	**1558**	**1742**	**1925**	**2108**	**2291**	**2444**	**2444**	**2444**	**2444**

1 Canadian portion of the project is specified as the Alaska-Yukon Border to Gordondale Alberta

2 The pipeline is operational in November of 2007 at initial rates of 2.5 Bcf per day and increases to 4.0 Bcf per day by November 2012.

3 Tariff income remains at these levels through the reminder of the impact

N.B. All dollar amounts are given in constant 2000 dollars.

Table 4: Total Project Capital Expenditure Profile by Major Component (Cdn$)

	Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Pipeline Materials	$ 2,703			676	1,622	405						
Pipeline Construction	$ 4,070				775	2,326	969					
Engineering	$ 783	140	127	109	103	205	86	3	3	3	2	1
Other Costs	$ 742	113	159	156	107	110	70	8	8	5	3	2
Interest During Construction	$ 1,206	7	23	62	182	385	471	24	20	17	9	5
Compressors, chiller train, etc.	$ 4,113			127	426	633	541	702	702	562	281	140
Total	**$ 13,617**	**260**	**309**	**1,131**	**3,216**	**4,064**	**2,138**	**737**	**733**	**586**	**295**	**147**

N.B. All dollar amounts are given in constant 2000 dollars.

Table 5a: Canada Segment Capital Expenditure Profile by Major Component (Cdn$)

	Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Pipeline Materials	$ 1,483			371	890	222						
Pipeline Construction	$ 1,828				348	1,045	435					
Engineering	$ 450	81	73	63	59	118	50	2	2	2	1	1
Other Costs	$ 427	65	92	90	62	63	40	5	5	3	2	1
Interest During Construction	$ 632	4	13	35	99	200	241	13	11	9	5	3
Compressors, chiller train, etc.	$ 2,171			64	219	325	287	376	376	300	150	75
Total	**$ 6,990**	**150**	**178**	**622**	**1,676**	**1,973**	**1,053**	**395**	**393**	**314**	**158**	**79**

N.B. All dollar amounts are given in constant 2000 dollars.

Table 5b: Alaska Segment Capital Expenditure Profile by Major Component (Cdn$)

	Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Pipeline Materials	$ 1,220			305	732	183						
Pipeline Construction	$ 2,242				427	1,281	534					
Engineering	$ 333	60	54	47	44	87	37	1	1	1	1	0
Other Costs	$ 315	48	67	66	46	47	30	3	3	2	1	1
Interest During Construction	$ 574	3	10	27	84	185	231	12	9	8	4	2
Compressors, chiller train, etc.	$ 1,942			63	207	308	254	326	326	261	131	65
Total	**$ 6,627**	**111**	**131**	**508**	**1,540**	**2,091**	**1,085**	**343**	**340**	**272**	**137**	**68**

N.B. All dollar amounts are given in constant 2000 dollars.

Table 6a: Yukon Segment Capital Expenditure Profile (Cdn$)

	Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Pipeline Materials	$ 782			196	469	117						
Pipeline Construction	$ 997				190	570	237					
Engineering	$ 231	41	37	32	30	61	26	1	1	1	1	0
Other Costs	$ 219	33	47	46	32	33	21	2	2	2	1	0
Interest During Construction	$ 338	2	7	18	52	107	129	7	6	5	3	1
Compressors, chiller train, etc.	$ 1,231			36	123	182	163	214	214	171	85	43
Total	**$ 3,798**	**77**	**91**	**329**	**896**	**1,070**	**576**	**224**	**223**	**178**	**90**	**45**

N.B. All dollar amounts are given in constant 2000 dollars.

Table 6b: British Columbia Segment Capital Expenditure Profile by Major Component (Cdn$)

	Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Pipeline Materials	$ 648			162	389	97						
Pipeline Construction	$ 770				147	440	183					
Engineering	$ 201	36	32	28	26	53	22	1	1	1	0	0
Other Costs	$ 191	29	41	40	28	28	18	2	2	1	1	0
Interest During Construction	$ 274	2	6	16	43	87	104	5	5	4	2	1
Compressors, chiller train, etc.	$ 927			27	89	138	124	161	161	129	65	32
Total	**$ 3,011**	**67**	**79**	**273**	**722**	**843**	**451**	**170**	**169**	**135**	**68**	**34**

N.B. All dollar amounts are given in constant 2000 dollars.

Table 6c: Alberta Segment Capital Expenditure Profile by Major Component (Cdn$)

	Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Pipeline Materials	$ 53			13.2	31.6	7.9						
Pipeline Construction	$ 60				11.5	34.5	14.4					
Engineering	$ 18	3.3	2.9	2.5	2.4	4.8	2.0					
Other Costs	$ 17	2.6	3.7	3.6	2.5	2.5	1.6	0.2	0.2	0.1	0.1	0.0
Interest During Construction	$ 20	0.2	0.5	1.3	3.5	6.7	7.8	0.1	0.0	0.0	0.0	0.0
Compressors, chiller train, etc.	$ 13				6.4	3.8	0.8	0.6	0.6	0.4	0.2	0.1
Total	**$ 181**	**6.0**	**7.1**	**20.6**	**57.8**	**60.2**	**26.6**	**0.8**	**0.8**	**0.6**	**0.3**	**0.2**

N.B. All dollar amounts are given in constant 2000 dollars.

A Comparison: Impact Studies and Trans-Alaska Pipeline

Working Paper No. 6.1.2

March 2002

Charles Saunders

Informetrica
Limited

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Comparison of Findings: National Impact of Alaska Highway Pipeline Project and Northern Gas Development Economic Effects

1 Introduction

Informetrica Limited has examined the Alaska Highway Pipeline Project twice in recent years. The Working Paper *National Impact of Alaska Highway Pipeline Project* has recently been prepared for the Yukon Government (6.1.1, March 2002). The *Northern Gas Development Economic Effects* was prepared for a group of federal departments (December 2000), which include Industry Canada, Indian and Northern Affairs Canada, Finance Canada and Natural Resources Canada.[1]

2 Direct Effects

The data source for capital expenditure profiles in Canada came from two separate sources. The IC Impact investment data and tariff rates were produced by North of 60 Engineering Limited from Canmore, Alberta. The YK Impact received detailed investment data from Foothills Pipe Line Limited in Calgary, Alberta, and Informetrica Limited was responsible for the estimation of the tariff rates.

Table 1: Comparison of Investment Data and Pipeline Mileage,b oth in constant 2000 dollars

	IC Impact		YK Impact	
	Distance (miles)	**Expenditure**	**Distance (miles)**	**Expenditure**
Canada	**1,955**	**$7,935**	**1,005**	**$6,990**
Yukon	531	$2,722	517	$3,369
B.C.	551	$1,873	448	$2,638
Alberta	425	$1,978	40	$983
Saskatchewan	448	$1,363		

The IC Impact includes capital expenditure for expanding the Alliance Pipeline facilities through Alberta and Saskatchewan. The expansion of Alliance facilities would be an indirect effect of the AHPP because of higher demand for natural gas flowing through Western Canadian systems. The IC Impact locates 34 per cent of the total impact in the Yukon while the YK Impact is higher at 48 per cent. This will lead to differences in the Regional profile of each impact but does not affect the national effects.

The YK Impact has expenditure by distance averaging $7 million per mile, while the IC Impact is lower at $4 million per mile. This is a result of lower cost-per-mile estimates in the IC Impact for both the Yukon and BC segments, and slightly larger distances. The IC Impact also includes an expansion of capacity in the Alliance pipeline, which has an inherently lower costs-per-mile because this is accomplished through adding compressors or looping.

---

[1] Each of the national macro impacts will be referred to as the YK Impact and IC Impact, respectively.

The time paths of the capital expenditures differ in their specifications but not in overall profiles. The IC Impact spans eight years from 2001 to 2008 with peak investment of $2.4 billion in 2005. While YK Impact spans 10 years from 2002 to 2012 and peaks at almost $2.0 billion in 2006.

The cost-of-service revenue in peak production years is $1.2 billion per year for the YK Impact, and $2.5 billion per year in the IC Impact. The YK Impact has a substantially higher flow rate of natural gas at 4.0 billion cubic feet per day, while the IC Impact is 3.0 billion cubic feet of natural gas per day. The implicit tariff rate for the IC Impact is $2.31 per Mcf, while the calculated tariff rate for YK Impact is $1.05 per Mcf, both in nominal terms.[2]

These tariff rates differ because the IC Impact tariff includes charges for transportation of natural gas through Alberta and Saskatchewan, which increases the cost-of-service revenue. The YK Impact implicitly uses a $1.86 per Mcf charge to get from Gordondale to Chicago, and a $1.00 per Mcf from Prudhoe Bay to the Canadian border (all in nominal Canadian dollars). YK Impact total transportation cost of natural gas per Mcf is $3.93 (US$2.62), while IC Impact total charge would be $4.25 per Mcf (US$2.83). The netback for Prudhoe producers is small in both impacts, if the Chicago price is US$ 3.00 per Mcf. (A higher Chicago price will lead to higher netbacks).

3 Results

3.1 IC Impact

The construction phase peaks in 2005 at 0.2 per cent impact on the Canadian GDP and during the long-run operations phase, the GDP impact ranges around 0.1 per cent. Nonresidential structures investment peaks at 3.2 per cent in 2004 and M&E investment reaches 0.4 per cent in both 2005 and 2006. The cumulative employment impact is 112,000 person-years during the construction phase, with peak employment of 29,000 in 2005. The operations phase generates 4,570 person-years of employment on an annual basis from 2009 to 2015. Inflation impacts are almost insignificant at an average of 0.07 per cent. All-government balance improves by $1.5 billion during peak construction and almost $2.0 billion by 2015.

3.2 YK Impact

The YK Impact uses differing government policy assumptions to produce two different scenarios for the AHPP impact. Scenario 1 is most comparable to the IC Impact because the fiscal policy assumptions are similar.

3.2.1 *Scenario 1: Government keeps federal balance gains*

GDP impacts peak at 0.16 per cent impact on the Canadian economy in 2006 with long-term impacts of almost 0.1 per cent. Employment impacts peak at 28,000 in 2006, of which 11,500 jobs come from the construction industry. Operations phase employment gains average about 2,700 annually, with cumulative gains of 107,000 person years of employment from 2002 to 2025. Cumulative construction employment from 2002 to 2012 is 30,400 person years. Inflation impacts are modest, averaging 0.04 per cent above the base case. All-government balances improve by $1.3 billion in 2006, with longer-run gains of over $2.0 billion in 2023.

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[2] For a detailed discussion of different types of tariffs see: Cost-Benefit Analysis of the AHPP, Working Paper 8.1, Informetrica Limited.

3.2.2 *Scenario 2: Government recycles federal balance gains*

GDP impacts peak at 0.25 per cent impact on the Canadian economy in 2006 with long-term impacts of almost 0.13 per cent. Employment impacts peak at 43,400 in 2006, of which 12,000 jobs come from the construction industry. Operations phase employment gains average about 14,100 annually, with cumulative gains of 377,000 person years of employment from 2002 to 2025. Cumulative construction employment from 2002 to 2012 is 35,900 person years. Inflation impacts are higher than the other cases averaging 0.16 per cent above the base case, but overall it is not significant. All-government balances improve to $0.4 billion in 2006, with longer-run gains of over $0.8 billion in 2025.

4 Conclusions

The direct effects of the IC Impact and the YK Impact are very similar in magnitude and the methodology used in the IC Impact and Scenario 1 is similar. The first major difference is the government balance assumptions in Scenario 2 of the YK Impact. A second difference is the overlap of construction and operation phases in the YK Impacts that are not incorporated into the IC Impacts. Also, the addition of the Alliance facility expansion produces another difference with respect to cost-of-service revenue, investment value and investment profiles. The procurement of major components of the pipeline differ in each impact, 90 per cent of the pipe and 90 per cent of the compressors are from domestic suppliers in the YK Impact while 5 per cent of the pipe and 95 per cent of the compressors are from domestic suppliers in the IC Impact. This difference comes from assumptions on pipe specifications, with the IC case requiring pipe exceeding the upper limits of current Canadian capacity.

The IC Impact results are very similar to Scenario 1, with the exception that it has twice the employment gains during the operations phase leading to a higher all-government balance. The main source of employment differences comes from higher cost-of-service revenue in the IC Impact.

Scenario 2 can be seen as an impact of positive federal government intervention on either the IC Impact or Scenario 1 impact. The recycling of federal balance gains results in lower personal and business tax rates across the entire country. This has the effect of moving a regional impact on a few provinces/territories to more national impact, which has the potential to benefit all Canadians through lower tax rates. The overall effect more than doubles the expected number of person years of employment generated by the project. Provincial and local governments retain the positive impacts on their balances. Furthermore, some improvements are made through sales tax revenue on increased consumption of goods and services.

5 Comparison to Trans-Alaska Pipeline System (TAPS)

There are few pipeline projects that have been completed in North America's Arctic that are the size of the AHPP. TAPS is probably the closest by magnitude of investment. However, TAPS is an oil pipeline while AHPP is a natural gas pipeline, which results in variations in construction methods and materials. The fundamental difference between the two lines is that the TAPS line needed to maintain the oil at a high temperature so it would flow, and the pipeline needed to be suspended above the ground for most of its length. The Alaska Highway Gas Pipeline can be buried underground, and operated at low temperatures to stabilize the soil when going through permafrost. Construction costs per mile are expected to be much lower than a heated crude oil pipeline.[3]

Table 2: Comparison of YK Impact and TAPS

	AHPP	TAPS[4]
Cost (2000$)[5]	US$9.1 billion	US11.3 billion
Length	1,750 miles	800 miles
BTU Throughput per day[6]	4.1 trillion	8.4 trillion
Tons of pipe	1,381,000	450,000
Employment	59,000	70,000

TAPS spans 800 miles and was built in the 1970s to carry crude oil from Prudhoe Bay to Valdez, Alaska. The AHPP is expected to run parallel with TAPS to Delta Junction, Alaska. To facilitate comparison, we have put the construction costs in comparable dollars (2000 US$) and find that the TAPS line at US $11.3 billion exceeded the expected construction costs of AHPP of US $9.1 billion. The AHPP is a much longer pipeline, 1,750 miles versus 800 miles. Three times more steel is required: 1,381,000 tonnes versus 450,000 tonnes. Direct employment during construction is less than that of TAPS – 59,000 person-years versus 70,000 person-years.[7] The learning experience from TAPS that should be kept in mind is that this was a large pipeline project, but it was plagued with incredible cost overruns. The total estimated cost in 1969 was $900 million dollars, whereas the final price tag came in at $8 billion in 1977 (both are nominal values). A large part of the cost overruns came from excess hiring of labour, which drove up the wage bill.

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[3] Amazing Pipeline Stories, Dermot Cole, Epicenter Press, 1997

[4] TAPS data is available from www.alyeska-pipeline.com

[5] TAPS was inflated using investment deflator determined from BEA investment by industry data.

[6] Throughput is based on: AHPP – 4 billion cubic feet per day, and TAPS – 1.44 million barrels of crude oil per day.

[7] Based on direct employment in Canada of 30,000, increased by 95% for the Alaska portion. However, we have not examined the Alaska portion of the AHPP in great detail. The Alaska portion is shorter in length but it requires more labour per mile to ensure that the cooling apparatus is installed correctly, so this approximation should be reasonable.

Provincial Impacts of Alaska Highway Pipeline Project

Working Paper No. 7.1.1

March 2002

Anne Rensonnet

Informetrica
Limited

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1 Introduction

1.1 Plan of the Report

This study measures the impact of the construction and operation of the Alaska Highway Pipeline Project (AHPP). There is specific meaning to the term "impact". This meaning, and the method used in this analysis are detailed in this section. This is followed by a section on assumptions, where we detail the changes to the economy that specify the costs of developing facilities, revenues earned by their operations and related other determinants that affect jurisdictional and sector impacts.

The third section documents the implications for the directly impacted regions, the Territories, BC and Alberta, focusing on how large or small such developments might be for that jurisdiction. Similarly, we assess the significance of the developments that extend beyond the immediately impacted region. Reports on the regional dimensions of the pipeline construction and operation are taken directly from the results of the national economic impact[1], which assesses the significance of development to the Canadian economy as a whole.

Care has been taken to reasonably size the scale of development and operations. Still, uncertainties in this area, where investment goods are sourced and from which region labour is supplied, could produce variations from the results we report. The closing section provides our best judgement about whether these may be significant to the character or detail of our results.

1.2 Report Language

In order to assess the impact of a northern gas pipeline development we consider that spending for development and operations will indirectly impact many dimensions of the Canadian economy. For the impact analysis procedure we prepare a **Base Case** forecast of the economy in which the project is not undertaken, followed by a second **Impact Case** forecast of the economy, in which the pipeline is developed and operated. We report only the extent to which the Impact Case deviates from the Base Case.

The "impact" is reported in level and in percentage terms, providing two indicators of significance. In this paper, we report employment impacts primarily in level terms, focusing on the net amount of jobs created. To get a feel for its relative significance, it is sometimes reported as a percentage of the Base Case as well. The impacts on economic activity, indicated by Gross Domestic Product (GDP), are reported in percentage terms.

For the purpose of communicating our results, and distinguishing between different transmission mechanisms, we talk about three different types of effects: direct, indirect and induced. Direct effects are derived from analysis of the projects proposed or may be otherwise assumed from related "micro" analysis. In this instance, the industries that provide the resources for the pipeline construction are directly impacted by the capital investment, and the pipeline transportation industry is directly impacted by the operation of the pipeline. Indirect effects are defined by the interrelationships between industries; for example, the construction industry requires the services of other industries that provide building materials, transportation, etc., which in turn require the services of other industries. Finally, increased economic activity from a project, and hence increases in personal and business income, will "induce" further consumer and business spending.

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[1] See: National Impacts of Alaska Highway Pipeline Project, Working Paper 6.1.1.

In this study, two scenarios (or Impact Cases) were considered in both the national and regional studies. In Scenario I, all changes in government balances from increased revenues are assumed to go directly into debt reduction or acquisition of financial assets. In Scenario II, the governments recycle the increased revenue using three specific techniques; a lower Employment Insurance (EI) contribution rate, keeping federal business tax revenue and federal personal income tax revenue equal to the Base Case. This effectively works as a tax cut, which in the case of personal income tax, reduces both federal and provincial revenues. The overall effect of the second scenario is to increase induced effects by effectively increasing disposable income through lower tax rates.

1.3 Regional Impacts

Provincial and Territorial impacts are determined using our Regional-Industrial Model (RIM) (see Figure 1-1). The model is based on a top-down articulation of regional economic measures, both provincial and territorial, based on national forecasts from The Informetrica Model (TIM)[2]. Each of the ten provinces is separately identified; all three Canadian Territories are combined into a single jurisdiction.

Impacts on the GDP of specific sectors in TIM are allocated to those sectors in each of the eleven jurisdictions. Effectively, for goods-producing industries, these are allocated as "fixed" Base Case shares modified econometrically by changes to export and import detail in TIM that may indicate otherwise. Allocation of shares among service industries is responsive to changes in provincial income and population change. The latter is responsive to changes in the provincial labour force to reflect relative employment changes across the eleven jurisdictions. Industry-specific employment is determined by changes to industry GDP in each of the jurisdictions.

Industry-specific investment spending is separately identified in RIM, with shares allocated econometrically. In the context of this analysis, we have targeted such spending specifically to the jurisdictions where the investment occurs. We have assumed that spending for equipment will produce GDP impacts in the supplying industries (e.g., ferrous metals manufacturing, electrical and non-electrical machinery) where they are located.

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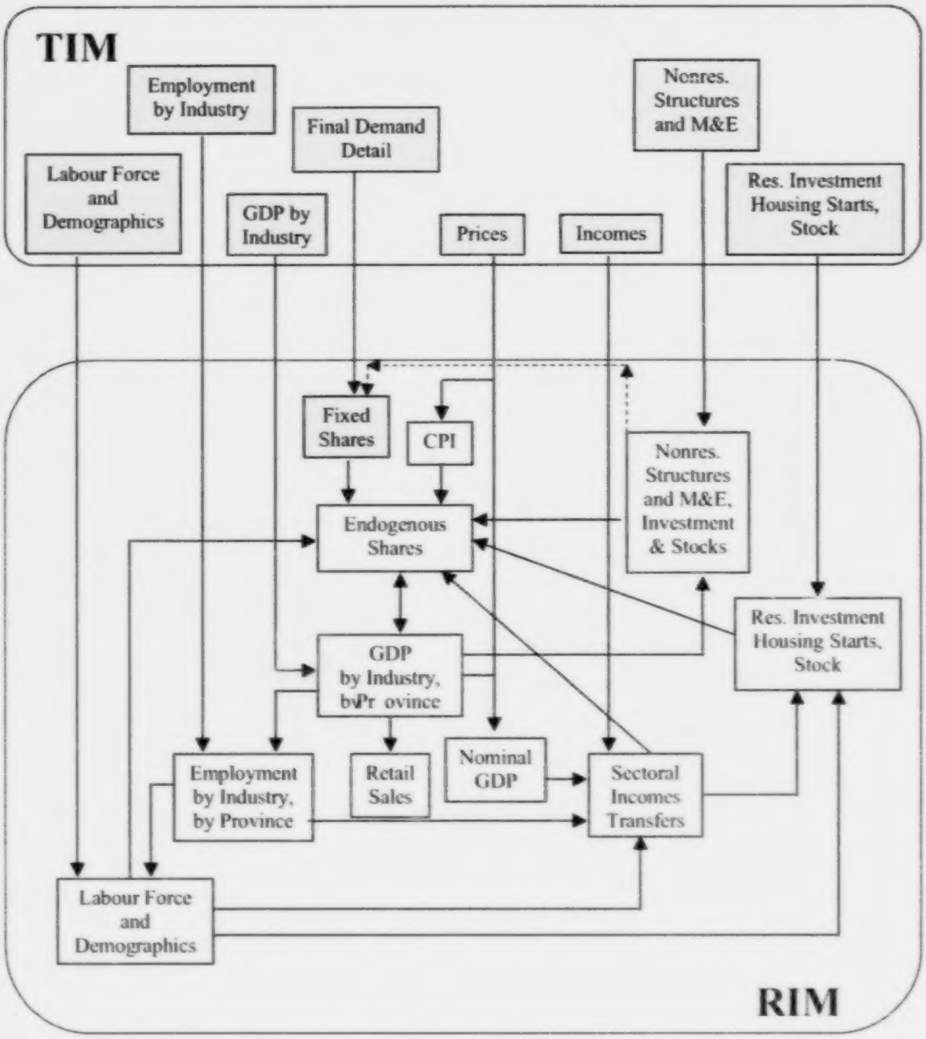
[2] See: National Impacts of Alaska Highway Pipeline Project, Working Paper 6.1.1. for a report on the national impacts.

Figure 1-1 Overview of the Regional-Industrial Model for Determining Territorial and Provincial Impacts


TIM
Employment by Industry
Final Demand Detail
Nonres. Structures and M&E
Labour Force and Demographics
GDP by Industry
Prices
Incomes
Res. Investment Housing Starts, Stock
Fixed Shares
CPI
Nonres. Structures and M&E, Investment & Stocks
Endogenous Shares
Res. Investment Housing Starts, Stock
GDP by Industry, by Province
Employment by Industry, by Province
Retail Sales
Nominal GDP
Sectoral Incomes Transfers
Labour Force and Demographics
RIM

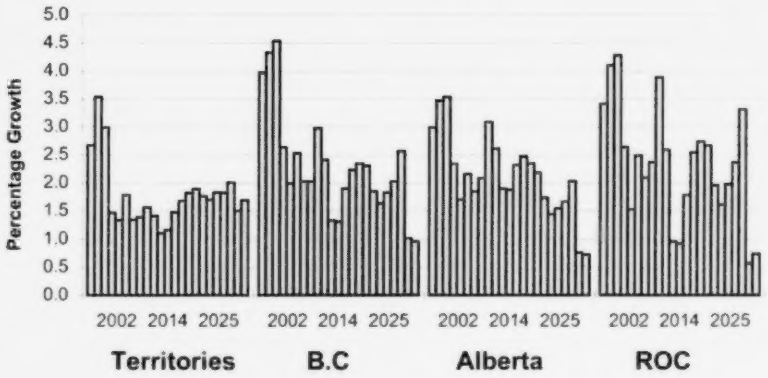
Sector incomes, notably personal income, are explained by changes to employment and population location as an influence on property income (e.g., interest, and dividends). Subtracting direct personal taxes and adding in government transfers to households determine disposable income. Retail sales are thus jurisdictionally altered so that the GDP of several consumer-oriented service industries is impacted. In the context of this analysis, we have modified these relationships to reflect the assumption that many of the workers in the Territories are temporary workers who remit their incomes to other jurisdictions.

1.4 Base Case

The Base Case economic prospects are not directly relevant to measures of impact, but can have implications for such measures if the economy is performing at "full" capacity or use of labour resources. Induced investment by industries not directly impacted by the project being assessed will be influenced by interest rates.

In the Base Case being used for this analysis, the Canadian economy expands by approximately 2.0 per cent annually from 2001 to 2025.[3] Employment increases by 0.8 per cent per year over the projection period with the unemployment rate dropping from 7.1 in 2001 to 4.2 in 2025. Implications for the provinces are illustrated in Figure 1-2. As this indicates, growth in the Territories is typically slower than in the Rest of Canada ("ROC"), reflecting mainly growth prospects in Central Canada.

Figure 1-2 Provinces: Base Case GDP



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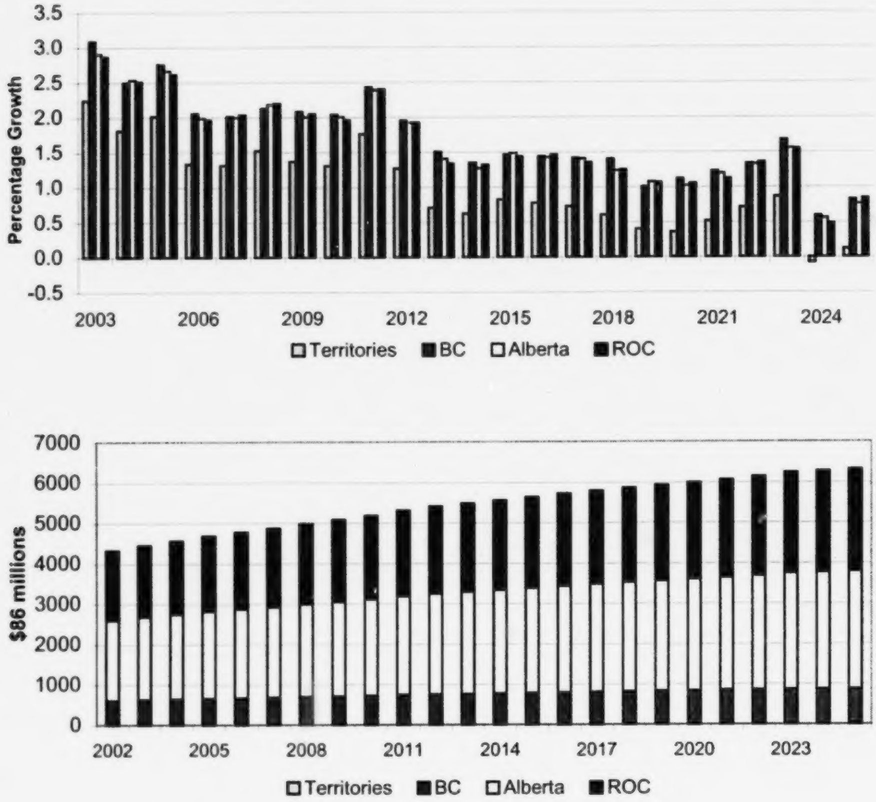
[3] A more detailed assessment of the Base Case is available in: Canadian Macroeconomic Base Case Scenario, Informetrica Limited, Working Paper 3.1.1, December 2001.

Figure 1-3 Base Case Pipeline Transportation Services GDP



Increases in the capital stock of pipeline and other transportation service industries in the Territories and two other provinces on which we are focused are growing at an annual average above 1.5 per cent in the first decade and slowing in the next. This is consistent with decelerating growth of pipeline industry output over the projection. There is no significant pipeline activity in the Territories.

2 Assumptions

The direct effects of developing and operating the pipeline are represented in our analysis by investment spending and exports of natural gas (pipeline transportation services).

2.1 Construction Phase

2.1.1 Capital Costs

Table 1 summarises the capital expenditure profile for the project. This direct effect determines the regional distribution of economic activity and employment in the regions. The majority of the components are directly related to the mileage of pipeline within the regions, with the exception of "compressor, chiller train, etc".

Table 1 Capital Cost Overview

Yukon Segment Capital Expenditure Profile (Cdn$ millions)

	Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Pipeline Materials	$ 782			196	469	117						
Pipeline Construction	$ 997				190	570	237					
Engineering	$ 80				15	45	19	0	0	0	0	0
Other Costs	$ 18				0	3	8	2	2	2	1	0
Interest During Construction	$ 261			6	36	87	109	7	6	5	3	1
Compressors, chiller train, etc.	$ 1,231			36	123	182	163	214	214	171	85	43
Total	**$ 3,369**	**0**	**0**	**238**	**833**	**1,004**	**536**	**223**	**222**	**178**	**89**	**45**

British Columbia Segment Capital Expenditure Profile by Major Component (Cdn$ millions)

	Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Pipeline Materials	$ 648			162	389	97						
Pipeline Construction	$ 770				147	440	183					
Engineering	$ 69				13	39	16	0	0	0	0	0
Other Costs	$ 16				0	2	7	2	2	1	1	0
Interest During Construction	$ 207			5	29	69	87	5	5	4	2	1
Compressors, chiller train, etc.	$ 927			27	89	138	124	161	161	129	65	32
Total	**$ 2,638**	**0**	**0**	**195**	**667**	**786**	**417**	**169**	**168**	**134**	**68**	**34**

Alberta Segment Capital Expenditure Profile by Major Component (Cdn$ millions)

	Total	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Pipeline Materials	$ 53			13.2	31.6	7.9						
Pipeline Construction	$ 60				11.5	34.5	14.4					
Engineering	$ 301	80.6	72.9	62.8	31.1	33.8	14.9	1.3	1.3	1.3	0.8	0.4
Other Costs	$ 392	64.7	91.8	89.9	61.1	58.6	25.6	0.2	0.2	0.1	0.1	0.0
Interest During Construction	$ 164	4.1	13.1	23.4	33.9	44.4	44.5	0.3	0.1	0.1	0.0	0.0
Compressors, chiller train, etc.	$ 13				6.4	3.8	0.8	0.6	0.6	0.4	0.2	0.1
Total	**$ 983**	**149.4**	**177.8**	**189.3**	**175.5**	**182.9**	**100.1**	**2.3**	**2.1**	**1.9**	**1.2**	**0.6**

N.B. All dollar amounts are given in constant 2000 dollars.

Chiller trains, required for the first 200 km into the Yukon (north of Kluane Lake) to accommodate for permafrost, increase the cost of these components. The number of compressor and meter stations in a region determines the expenditure profile in a region. The compressor, chiller train, etc. component of In addition, construction costs vary from one region to another, depending on the difficulty of the terrain. Mountainous and rocky terrain and permafrost in the Yukon result in higher construction costs than Alberta, for example. This results in the ratio of pipeline materials to pipeline construction costs decreasing from 87% in Alberta to 78% in the Yukon.

The distinction between spending for structures and equipment is important to our analysis. Although spending for equipment may include some element of jurisdictional wholesale and other service margins that would be specific to the Territories or provinces in which the investment occurs, we have assumed that the dominant demand impact would be registered in the provinces where the equipment is manufactured. Thus, demand for compressors, vehicles, electronic and other equipment is allocated to provinces that produce such equipment. Although this includes some manufacturing in the region, the impacts are dominantly located outside the region (mostly Central Canada), or they are satisfied by imports. For this impact, half the pipe is assumed to be manufactured at Stelco's Welland Pipe facility in Ontario, and the other half by IPSCO in Regina, Saskatchewan. In contrast, spending for structures is assumed to be locally specific in its effects on construction services, which must be delivered in the jurisdiction where the spending is assumed to occur.

2.1.2 Construction Employment

Table 2 summarises the distribution of employment during the construction period. The project development, engineering, regulatory, and project management will be focused in Alberta, (to which the related capital expenditure has been allocated). Construction management has been distributed to the regions according to their share of total pipeline length.

Table 2 Distribution of Construction Employment

Employment during Construction; Pipeline, Compression and Meter Stations

	Total	2005	2006	2007	2008	2009	2010	2011	2012
Yukon Segment	4,578	510	2,305	1,377	114	114	91	46	23
British Columbia Segment	4,309	501	1,396	1,875	158	158	126	63	32
Alberta Segment	609		197	412					
Canada Total	**9,496**	**1,011**	**3,897**	**3,664**	**272**	**272**	**217**	**109**	**54**

N.B. Does not include employment required for the mobilization of the pipe, compressors and metering equipment to the stockpile sites.
This estimate does not include employment from project management, engineering and construction management.

The scale of the impact on construction workers with requisite skills will exceed the supply available from within the Territories. Accordingly, we have assumed that a large proportion of the workers required will be residents of other jurisdictions (see Table 3). BC and Alberta are assumed to have relatively tight construction labour markets due to pipeline and oil and gas projects respectively, and thus contribute a smaller proportion of workers than might otherwise be expected. Saskatchewan is assumed to contribute to the labour force due to its proximity, but would be limited by its already low unemployment rate. The remaining workers come from Nova Scotia and New Brunswick, which are considered a good source of pipeline construction expertise. Although Newfoundland would also have such experienced workers, the province has multiple offshore oil and gas construction projects in the works for which they would, if anything, also require additional out-of-province labour.

Table 3 Residence of Development Workers

Origin of Construction Workers in the Territories (2002-2007)	
Territories	20%
British Columbia	20%
Alberta	30%
Saskatchewan	10%
New Brunswick	10%
Nova Scotia	10%

For out-of-province workers, we have assumed that some part (10 per cent) of their income will be spent in the Territories during the years they are employed there, but that 90 per cent will be directed to their home province. This is of particular interest in RIM, because induced impacts on the GDP and employment of service industries are sensitive to effects on the incomes of residents who are directly or indirectly affected by development and operation of the gas fields and pipelines.

We have also assumed that the construction activity will attract workers affected by indirect and induced effects, which would result in an increase in the Territories' permanent population. As a working assumption, we have gradually increased the resident population in the Territories by 200 from 2003 through 2008[4]. This induces yet further GDP impacts through the demand for public and private services.

2.2 Operational Phase

2.2.1 Pipeline Transportation Services

The operational phase of the project starts in late 2007, with $239 million in revenue in that year, and reaches a level of $2,295 million per year for 2013 onwards. Fifty-one per cent of total pipeline revenue is in Canada, of which $635 million is in the Yukon, $508 million in British Columbia and $33 million in Alberta. Gross Domestic Product in the Yukon is approximately $1,000 million, so the tariff revenue is expected to provide a significant increase to the apparent size of the Yukon economy.

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[4] The increase of 200 permanent residents to the Territories is distinct from the influx of temporary workers, mostly in construction, which do not remain in the territories beyond the 5 to 7 years from construction to operation of the pipeline.

Table 4 Regional Dimensions of Tariff Income

Tariff Income for Transport of Pipeline Service (Cdn$ millions)

	2005	2006[1]	2007	2008	2009	2010	2011	2012	2013[2]	2014	2015	2016
Yukon Segment	0	0	66	405	452	500	547	595	635	635	635	635
British Columbia Segment	0	0	53	324	362	400	438	476	508	508	508	508
Alberta Segment	0	0	3	21	24	26	29	31	33	33	33	33
Canada Total	**0**	**0**	**123**	**750**	**838**	**926**	**1014**	**1103**	**1176**	**1176**	**1176**	**1176**

1 The pipeline is operational in November of 2007 at initial rates of 2.5 Bcf per day and increases to 4.0 Bcf per day by November 2012

2 Tariff income remains at these levels through the reminder of the impact

2.2.2 Operations Employment

The number of compressor stations, number of metering stations, length of pipe in region, and the location of operations and maintenance centres determine employment[5] requirements for the operations phase. There are three operations and maintenance centres in Alaska, the Yukon and British Columbia respectively, consisting of 25 employees each[6]. Compressor and metering stations, which require service 24 hours, 7 days a week, employ approximately 9.5 employees per year per station. For the final component of employment, maintenance and security of the right-of-way for the pipeline, we assume that 1 person is needed for every 50km of pipeline.

Once at full production, the total employment requirements in Canada are 155 person years in the Yukon, 180 in British Columbia and 10 in Alberta. Workers required in the Territories to operate gas fields and the pipelines are assumed to be residents of the Territories.

Table 5 Distribution of Operations Employment

Employment during Operations in Person Years [3]

	2005	2006[1]	2007	2008	2009	2010	2011	2012	2013[2]	2014	2015	2016
Yukon Segment	0	25	57	91	104	117	130	144	155	155	155	155
British Columbia Segment	0	25	54	88	107	126	145	164	180	180	180	180
Alberta Segment	0	0	3	10	10	10	10	10	10	10	10	10
Canada Total	**0**	**50**	**113**	**190**	**222**	**254**	**286**	**318**	**345**	**345**	**345**	**345**

1 The pipeline is operational in November of 2007, but head offices are set up in 2006 (Alaska and Whitehorse)

2 Employment remains at these levels through the remainder of the impact

3 Person year is equivalent to a 35.5 hrs/week

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[5] Employment numbers are based on person years at 35.5 hrs per week and 240 days per year. This includes approximations for vacation and sick days.

[6] There has since been a revision to the O&M centre employment to 34 in the Yukon, 33 in BC and 1 in Alberta in 2006. This has not been reflected in Impacts because this information was received too late in the process.

3 Results

3.1 Across-Province Overview

As can be quickly surmised from Table 6, the project is of considerably different significance to the Territories than it is to the other provinces. In the first scenario, where government uses additional revenues for debt reduction or the acquisition of financial assets, the impact on GDP in the Territories reaches 8.5 per cent at the peak of construction in 2006, and then averages slightly above that once the pipe is operational. In the second scenario, where government recycles increased revenues by allowing tax cuts, the impact reaches 11.2 per cent in 2006, and then averages 10.8 per cent during the operations.[7]

Although a principal focus of this paper is to concentrate on the implications for the economies of the Territories, it should be remembered that the direct spending for investment that occurs in BC is equal in size. However, the impact on its economy is considerably smaller, reaching no more than 0.47 per cent at its peak, in the second scenario. The impact on Alberta is smallest, as only 4 per cent of the pipe is being laid in the province.

Table 6 Across-province view of GDP Impacts

Gross Domestic Product

	2002	2003	2004	2005	2006	2007	2008-25
			% Impact				Av %Imp
Scenario I							
Territories	0.29	0.38	1.56	4.73	8.51	5.53	8.90
British Columbia	0.01	0.01	0.08	0.23	0.38	0.21	0.30
Alberta	0.08	0.09	0.06	0.09	0.12	0.07	0.10
Rest of Canada	0.01	0.01	0.05	0.12	0.10	0.05	0.05
Scenario II							
Territories	0.38	0.66	2.04	6.12	11.20	8.58	10.80
British Columbia	0.01	0.02	0.10	0.29	0.47	0.32	0.30
Alberta	0.08	0.10	0.07	0.12	0.17	0.12	0.10
Rest of Canada	0.01	0.02	0.06	0.15	0.17	0.12	0.02

The "Rest of Canada" (ROC) would likely account for a notable amount of overall Canadian GDP and employment impacts, but the effects are somewhat negligible. Much of the manufacturing of equipment and some part of the goods and services that are required indirectly will be supplied from outside the region. In part, this follows from the concentration of manufacturing outside the region, but also from the relatively large share of financing and other business service capacity in the ROC. In fact, the impact in the peak construction year is larger than in Alberta, indicating that the indirect effects for the ROC are more significant than the direct effects in Alberta of its small section of the pipeline. Furthermore, there are the benefits that would extend across the country from consumer and other spending induced by increased incomes.

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[7] Percentage impacts are reported relative to the Base GDP of the Territories (about $3 billion in 2001). Since almost all of the impacts are concentrated in the Yukon, and its Base GDP in 2001 is $858 million, the percentage impacts on the Yukon will be a little over 3 times the percentages reported here. A more detailed assessment of the impacts on the Yukon is available in: The Impacts of the Alaska Highway Pipeline Project on the Yukon Economy, Working Paper 7.1.2, February 2002.

The impact in the ROC, and to some extent in BC and Alberta, comes from these indirect and induced effects. Beyond this, in the construction phase, the out-of-province construction workers in the Territories will be sending much of their incomes back to their home provinces, inducing additional economic activity.

Table 7 Across-province view of Employment Impacts

Employment (Establishment Basis)

	2002	2003	2004	2005	2006	2007	2008-25
			Impact				Av Impact
Scenario I							
Territories	170	220	1,070	3,470	6,920	3,780	937
British Columbia	120	170	1,390	4,590	8,640	4,650	622
Alberta	1,730	2,100	1,240	1,710	2,890	1,820	264
Rest of Canada	620	870	3,790	9,300	10,040	5,070	-86
Scenario II							
Territories	220	370	1,330	4,180	8,280	5,340	1,713
British Columbia	190	380	1,800	5,740	10,870	7,370	2,307
Alberta	1,790	2,290	1,530	2,400	4,240	3,540	1,651
Rest of Canada	970	1,990	5,660	14,270	19,970	17,700	8,506

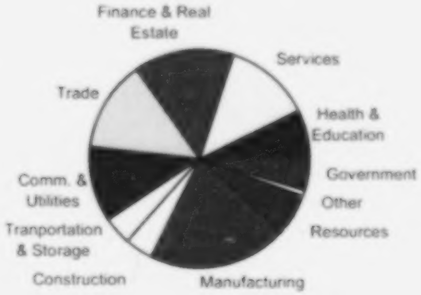
Employment impacts have implications for the distribution of government balance impacts in the second scenario. In our framework, we do not directly estimate balance impacts for each of the provinces separately, but reasonable inferences may be drawn from the real economic effects of the options. Positive effects on the balances of the Territorial governments and those of the near-by provinces will follow from the increased economic activity in their own regions, and during the investment phase, from income that is remitted back to home provinces by workers temporarily employed in the Territories. But the substantial employment benefits in the Rest of Canada and our assumption that some portion of the temporary Territory workers are from the ROC suggests that positive balance effects would be spread across most other provinces as well.

3.2 Economic Structure of the regions

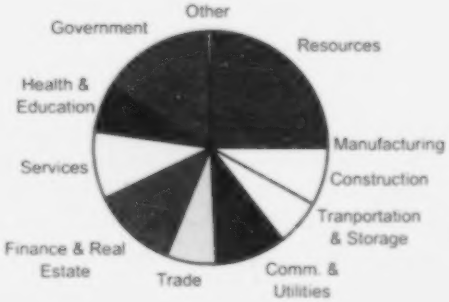
Impacts are determined to a major degree by our assumptions about where investment occurs and how much it produces a direct effect on construction and pipeline services in the region. But indirect and induced effects are also sensitive to the underlying structure of the economy. Figure 3-1 provides relevant indicative information for the Territories, BC and Alberta, which can be compared to the overall configuration for Canada.

Figure 3-1 Economic Structure of the Regions

Canada



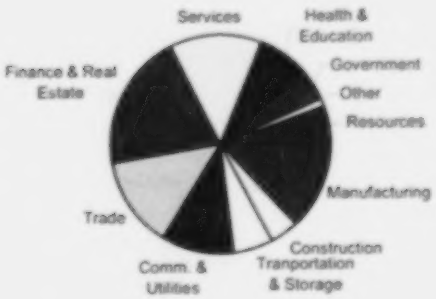
Territories



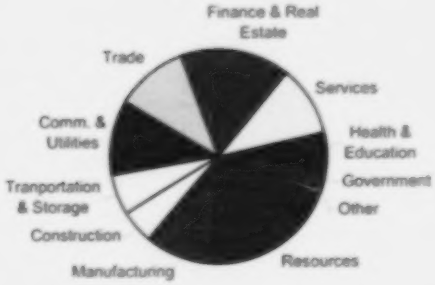
Territories

- The transportation and construction industries are directly impacted, and highly sensitive to assumptions about the project.
- Other resource industries and the durables industries are unlikely to be impacted significantly given the nature of the capital goods required by the investments.
- Manufacturing, namely durables, is a very small part of the Territories' economy. This suggests relatively high "import" leakage from spending on construction materials and machinery.
- The services sector in the Territories is particularly prone to import leakage with respect to business and professional services. Personal services, which are not easily imported, retain a larger part of the indirect and induced effects.
- The "social" sector (health, education, and government) is a relatively large share of the economy's structure, but the impact is not particularly significant.

British Columbia



Alberta



British Columbia

- Given the size of its economy, and more specifically its construction and pipeline transportation industries, the impacts in BC are less significant.
- BC has a sizable services sector and will thus retain much of the induced and indirect effects of the project, and even get some from the Territories.

Alberta

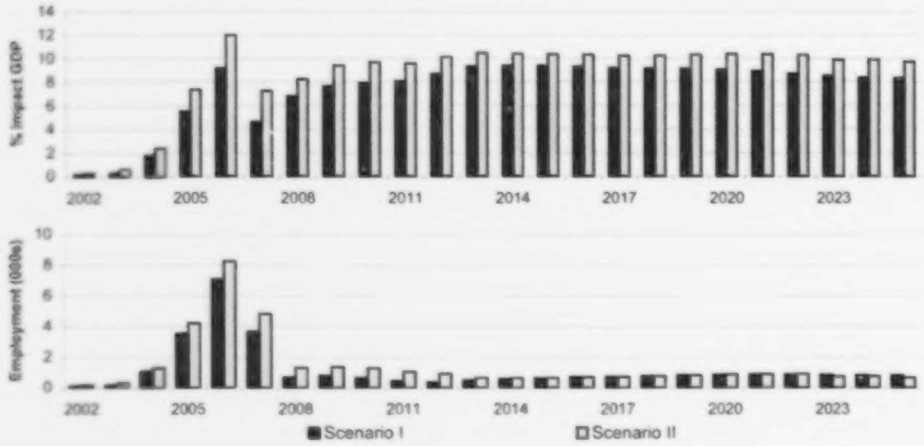
- The most important activity in the province, oil and gas extraction, make its resource sector dominant.
- For its proximity, its services sector will get the benefit of induced and indirect effects from the Territories, in addition to its own relatively small effects.
- Alberta already has the largest pipeline transportation industry in the country (in fact it is nearly half the Canada total), such that the smaller section being built has little impact.

3.3 Impacts: Major Indicators

The impact in a given region is determined in major part by the direct effects of the pipeline construction and operation. The relative size of the impact depends in large part on the significance of the impacted industries in that region. Measured output in the Territories will be enlarged by a major amount both during construction and operation of the pipeline. The impact on economic activity peaks in 2006 during the construction period at 9.2 per cent in the first scenario, and 12 per cent when government revenue is recycled in the second scenario. Figure 3-2 provides a summary of the major indicators.

At its apex in 2006, pipeline construction employs 5,300 workers directly and creates an additional one to three thousand jobs (in the first and second scenarios respectively), mostly in services, trade and transportation. This is a very large impact even for the Territories put together, reaching 18 per cent in the first scenario and 22 per cent in the second. Even with 80 per cent of the labour coming from out-of province, this is likely to severely stretch the region's human resources.

Figure 3-2 Principal Impacts on the Territories



Because RIM includes all three territories, the apparent size of the employment impact is underestimated. Nonetheless, 20 per cent of the employment being provided locally in the second scenario is equivalent to 1,600 jobs. Even with the addition of 200 to the Yukon's population, there would need to be a measurable increase in the participation rate, or some additional influx of temporary workers in that year to sustain the impact. Currently, the participation rate for the Yukon stands at 74 per cent, which is already the highest in the country[8]. (The province with the highest participation rate in the country is Alberta, at 72.7 per cent in 2001.) A two-percentage point increase, could provide an additional 550 workers, but may be difficult to achieve.

In the years before and after 2006, the impact on employment is substantial, but more manageable. For example, the impact in 2005 is 9 per cent and 11 per cent in the first and second scenarios respectively, and 10 and 14 per cent in 2007. That is in the range of 3,200 to 5,200 workers in total, of which 700 to 1,100 would be hired from the local population. This would likely still bring the unemployment rate down to record low levels.

By the time the pipeline is fully operational (in 2013), almost 90 per cent of the impact on GDP is in the form of tariff revenues in the first scenario, and 77 per cent in the second. The increased activity in pipeline transportation services alone is a 7.8 per cent impact on overall GDP from the Base Case. The remainder of the impacts are found in retail trade, personal and recreational services, transportation and communications, which benefit from indirect and induced effects in both scenarios, although markedly more in the second.

In BC, the profile of the impact is similar, but the magnitude is considerably reduced. At the peak of construction, in 2006, the total impact on GDP is 0.38 per cent in the first scenario and 0.47 per cent in the second. Of the impact on employment, approximately 4,500 jobs are directly related to the pipeline construction. An additional 2,700 jobs in services, trade and transportation are created in the first scenario, and 4,700 in the second. With its relatively large services sector, BC is better able to retain its indirect and induced effects, which are particularly prominent in business, personal and recreational services. Nonetheless, the nearly 11,000 additional jobs created in 2006 represent an impact only slightly above half a per cent.

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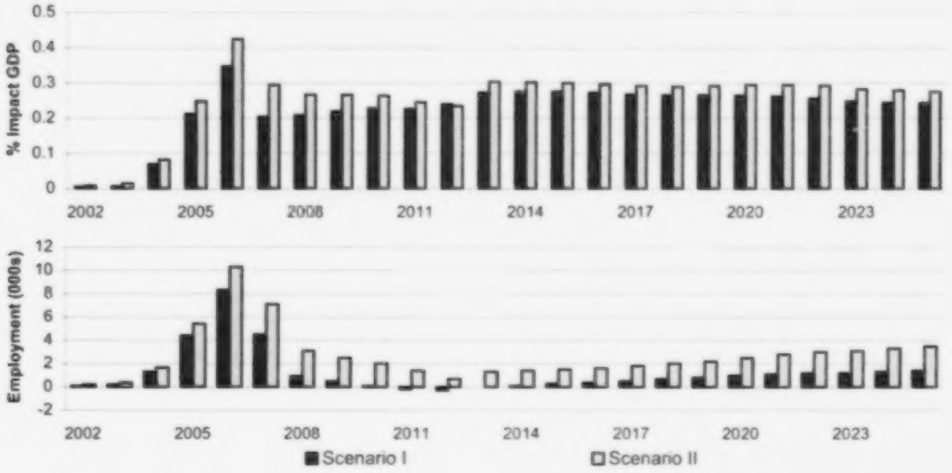
[8] The participation rate for the Yukon is estimated on a population survey with 83 per cent coverage in the territory. The rate may be over-estimated if participation in the unreported regions is below 74 per cent.

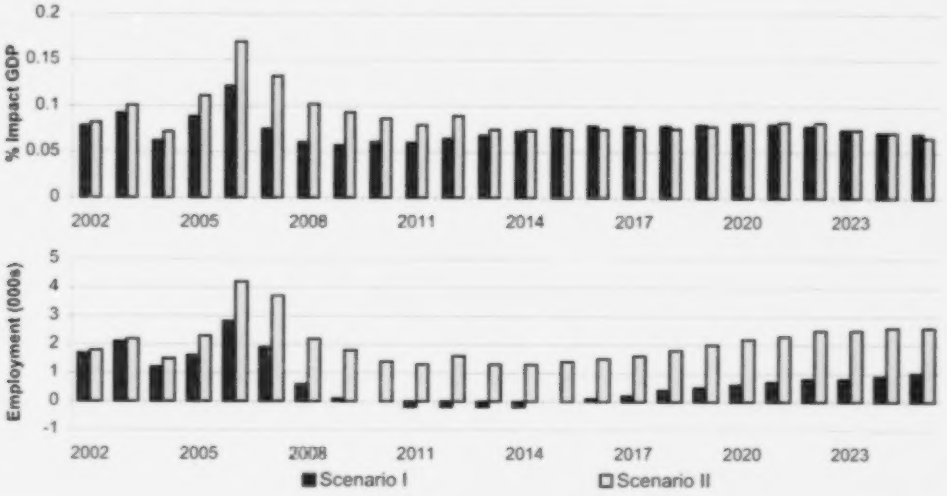
Figure 3-3 Principal Impacts on British Columbia



In the operations phase of the project, the impact on the pipeline transportation industry is 0.24 per cent of the Base Case by 2013, which in both cases is most of the already small impact. The impact on employment throughout the operational phase is mostly in personal and recreational services, and also in business services in the first scenario. Once again, the impact is quite modest, reaching 0.2 per cent by 2025 in the second scenario.

The impact on Alberta is considerably smaller than on BC. Peaking at 0.12 per cent in the first scenario, and 0.17 per cent in the second, the construction of this relatively short section of pipeline, requiring only 1,300 workers in 2006, hardly registers in the province. For this region the indirect and induced effects are relatively more significant. We can see these effects most clearly during the operational phase, when the employment impact in the second scenario exceeds that of the first by 1,200 to 1,400 jobs, almost all in food and accommodation services and retail trade. This difference represents an impact of barely one tenth of a percentage point, and is therefore not visible when looking at the percentage impact on GDP.

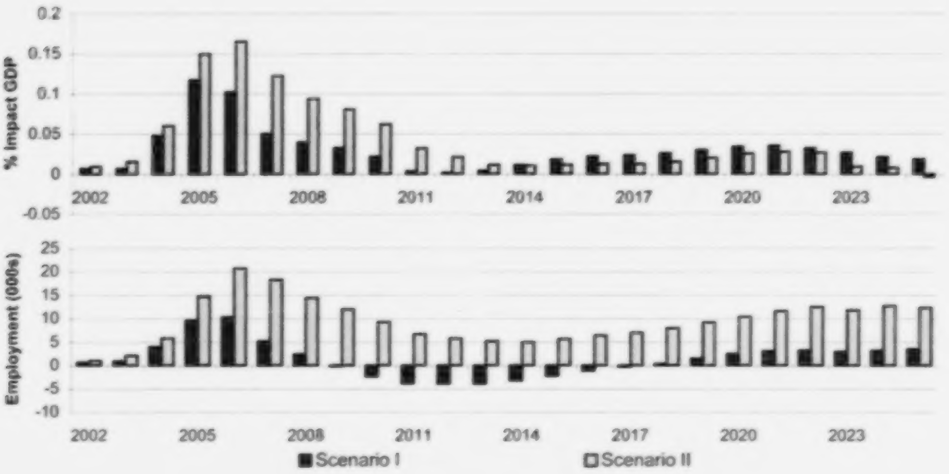
Figure 3-4 Principal Impacts on Alberta



Lastly, we look at the impact on the rest of Canada (ROC). By definition, this will include only indirect and induced effects from the three jurisdictions in which the pipeline is being built. The magnitude of the impact compares to that of Alberta, reaching a peak of 0.1 per cent of GDP in the first scenario and 0.17 per cent in the second. During the construction phase, the impact is mostly in the manufacturing industries of Central Canada, namely metal manufacturing, machinery and transportation equipment. Saskatchewan also shares in the manufacturing work with Ontario, with half the pipe made by IPSCO in Regina, and the other half by Stelco at their Welland Pipe facilities. We also recall that, during the construction phase, there are the effects of wages being remitted from the Territories to Saskatchewan, Nova Scotia and New Brunswick.

The impact on employment, peaking at 10,300 in the first scenario and 20,700 in the second, is initially in the manufacturing industries, as well as the personal and recreational services and retail trade. In the operations phase, it is interesting to observe that the impact on GDP is lower in the second scenario where government is recycling revenues. In this second scenario, there are some small price increases which amount to a negative impact on the manufacturing industries (which trade heavily with the US, and are subsequently highly sensitive to the competitive implications of price fluctuations).

Figure 3-5 Principal Impacts on the rest of Canada



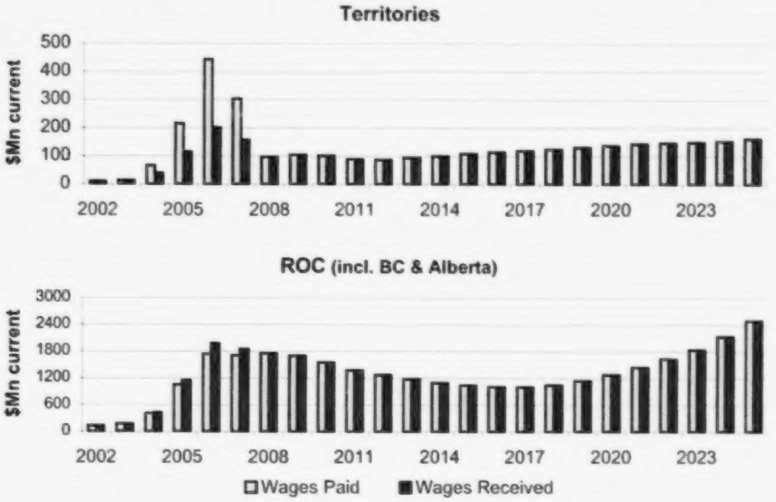
As with Alberta, the difference between the two scenarios can be outlined by noting that the difference in the employment impacts is in the services and trade industries, which are the most sensitive to induced effects. Once again, it is important to note that the magnitude of the impact is very small, measuring only 0.17 per cent of the Base Case at its peak (in 2007 in the second scenario).

3.4 Income Effects

In our study, RIM distinguishes between the regions as to labour income that is paid, and wages that are received. To examine labour income in more detail, Figure 3-6 and Figure 3-7 show the wages paid out to the workers in the Territories exceeding the wages received in the Territories in the first scenario. The difference is the wages remitted to the homes of the out-of-province workers, also shown in the ROC chart.

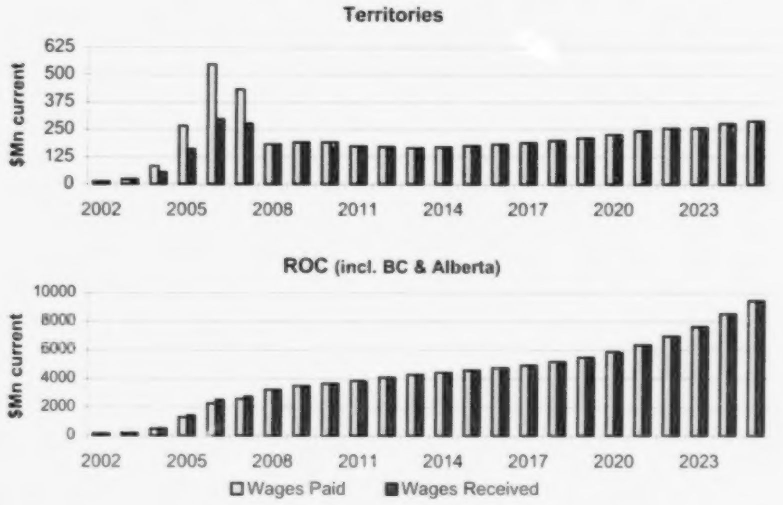
In this labour income view, we can clearly distinguish the two scenarios in the way they affect the regions. In both scenarios, the impact on wages for the Territories reaches its peak during the construction period, where more than a third of all wages paid are remitted out of territory, after which it drops to a relatively steady impact during the operational phase. By 2025, the wages received in the territory (and retained) are equal to those paid at the peak. The peak in the second scenario is approximately 80 per cent higher than in the first scenario.

Figure 3-6 Labour Income in Scenario I



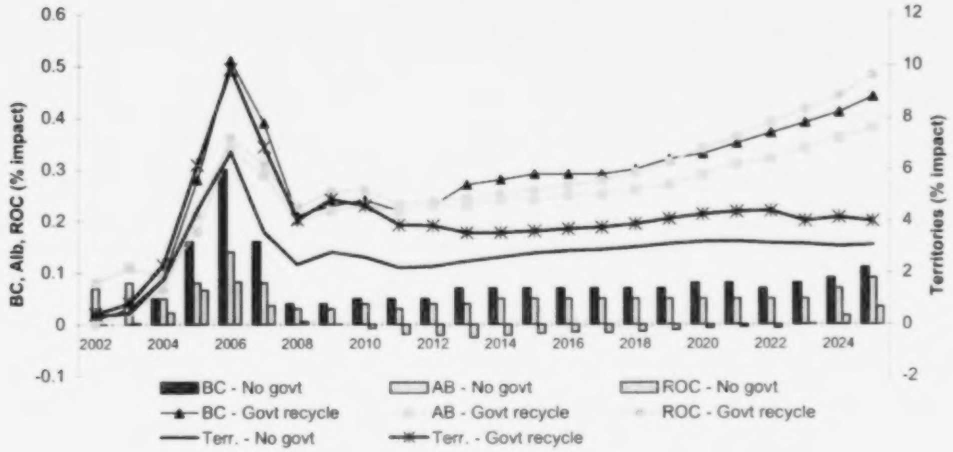
On the other hand, for the rest of Canada, including BC and Alberta, the peak impact on wages in 2025 in the second scenario is more than three times that of the first scenario. In the first scenario, we can see that after the construction period is passed and employment drops, there are fewer induced effects than in the second scenario where the impact on employment is maintained by induced effects.

Figure 3-7 Labour Income in Scenario II



Another way to distinguish the two clearly is to look at the difference in their effects on personal disposable income (PDI). Figure 3-8 illustrates how the effects are markedly stronger when business and personal tax rates are cut, as are employment insurance contributions (in the second scenario). The columns show the income effects of the first scenario on BC, Alberta and the ROC, with the corresponding lines indicating the effect of the second scenario. These regions use the left-hand scale while the **Territories**, with larger relative impacts, is shown on the **right-hand scale** with two thicker lines.

Figure 3-8 Real Personal Disposable Income

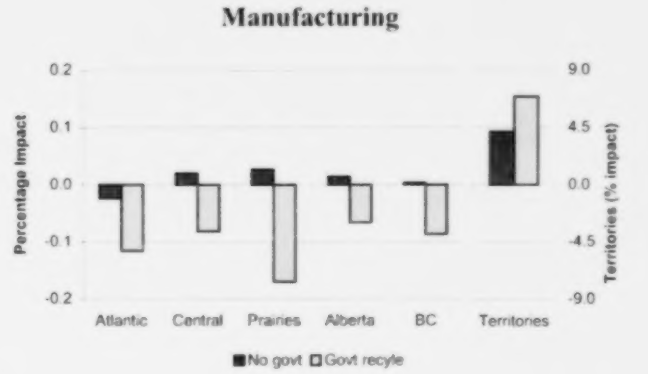


In the first scenario, where government revenues are held to pay down debt or acquire financial assets, the increase in PDI for the Territories peaks at 6.7 per cent in 2006, as opposed to 9.9 per cent when the revenues are recycled. During the pipeline operation, the impact on PDI is steady around 3 and 4 per cent in the first and second scenarios respectively. As there is little difference on the employment impact between the two scenarios (in the operations phase), the additional PDI in the second scenario comes from tax cuts. With its relatively small consumer goods and services sector, the Territories see some leakage of the resulting income effects.

The magnitude of the impact on PDI is greatly reduced in BC, and even more so in Alberta, but the pattern remains the same. The impact is below a tenth of a percentage point throughout the operational phase in the first scenario and up to nearly 0.4 per cent by 2025 in the second scenario. The ROC is more striking in that there is a negative impact on PDI in the operations phase of the first scenario (which is highly sensitive to small price increases stemming from the increased activity during the construction period), and a 0.5 per cent positive impact by 2025 in the second scenario (where income-induced effects are considerably stronger than the price increase).

3.5 Sector Detail

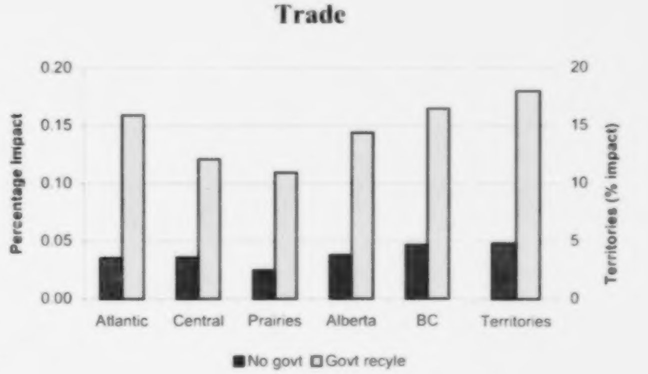
Figure 3-9 Across-Province Sector GDP (average percentage impacts 2008-25)



Scenario I
- Positive impacts in transportation equipment and electronic products
- Negative impacts in machinery

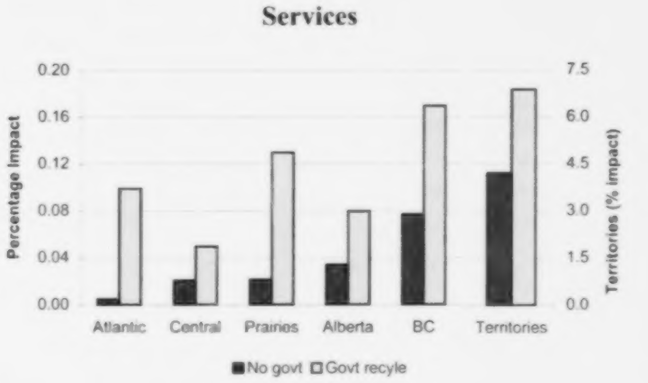
Scenario II
- Negative impacts in durables manufacturing due to price increases.

- For the Territories, small positive impacts in printing and publishing and petroleum products appear relatively large in this very small sector.



Scenario I
- Positive impact primarily in retail trade due to rise in disposable income
- Some positive effects in wholesale trade with increased manufacturing activity

Scenario II
- Positive impact almost entirely in retail trade due to rise in disposable income.



Scenario I
- Modest positive impacts in personal services, recreation and food and accommodations across all regions.
- Positive impacts in professional and business services, most notably in directly impacted provinces and Central Canada

Scenario II
- Significant impacts in personal services, recreation and food and accommodations offset negative impacts in professional and business services.

4 Qualifications

We note that model "signals" point to some significant risk of labour shortages in the Yukon, which could affect project economics and the effects reported here. One source of labour we have not tapped could be found in Alaska, which would increase the amount of "leakage" outside the region. Given that Alaska is also host to a large part of the pipeline construction, there may also be labour shortages on both sides of the border, with Yukon residents working in the US.

The scale of potential effects in the Territories, and uncertainty about local-area impacts, sources of labour supply, and tax status of affected populations are important qualifications to the effects reported. Indeed, should development lead to a major increase in the size of the population in the Territories, environmental impacts beyond those that may be associated with development of the pipeline are potentially important, and could directly alter economic consequences.

We have reported for this study that half the pipe is being manufactured by Welland Pipe in Ontario, and the other half by IPSCO in Regina. This assumes that our Canadian mills are able to produce the pipe with the required combination diameter, thickness, yield strength and toughness. If the requirements are such that the pipe needs to be purchased abroad (most likely in Japan), much of the indirect impact in manufacturing in the ROC will "leak" to imports.

Last but not least, closer scrutiny seems to reveal an apparent overall loss of productivity in the Territories. This must be put in the context of the region's industrial mix. Many of the industries with relatively large impacts (particularly on the employment side) are also lower productivity industries, such as services and trade. Because the Territories have a unique industrial mix with very little in terms of manufacturing, the overall appearance is that of productivity loss, while in fact, at the individual industry level, productivity is being maintained. In effect, this turns out to be a very positive sign for the region, as it indicates employment gains.

Appendix A

Selected Industry Detail
For Scenario I

Territories
GDP and Employment Impacts - Scenario I

	2002	2003	2004	2005	2006	2007	2008	2008-25
GDP of seclected industries				% Impact				Avg %impact
Total Economy	**0.29**	**0.38**	**1.56**	**4.73**	**8.51**	**5.53**	**7.24**	**8.91**
Total Business	**0.39**	**0.48**	**2.00**	**6.09**	**10.96**	**7.09**	**9.28**	**11.19**
Mining	0.01	0.01	0.06	0.14	0.10	0.00	0.01	0.05
Manufacturing *(of which)*	**2.23**	**2.59**	**6.55**	**16.22**	**20.82**	**8.09**	**3.11**	**4.18**
Printing & publishing	3.41	4.08	10.30	25.65	33.11	15.23	7.19	8.87
Primary metals	-	-	-	-	-	-	-	-
Metal fabricating	0.00	0.00	0.49	1.78	2.36	0.46	-0.47	-0.21
Machinery	-	-	-	-	-	-	-	-
Transportation eqpt.	-	-	-	-	-	-	-	-
Electrical products	-	-	-	-	-	-	-	-
Petroleum & coal products	2.53	2.96	6.90	17.41	23.51	9.51	4.58	5.94
Manufacturing, Durables	0.00	0.00	0.42	1.51	1.71	0.35	-0.32	-0.16
Manufacturing, Nondurables	2.78	3.25	7.88	19.53	25.25	9.97	4.00	5.58
Construction	0.00	0.00	9.30	35.12	78.87	41.40	3.46	1.59
Transportation	0.63	0.77	2.67	6.89	8.56	5.08	3.72	2.44
Pipelines	0.01	0.01	0.06	0.15	0.10	148.01	892.32	1214.10
Communication	0.20	0.43	2.16	6.68	9.45	4.92	3.41	3.34
Utilities	0.14	0.17	0.57	1.34	1.44	0.82	0.95	1.20
Trade *(of which)*	**0.76**	**0.96**	**1.65**	**3.48**	**3.74**	**3.56**	**3.90**	**4.81**
Wholesale	0.01	0.01	0.07	0.23	0.36	0.33	0.31	0.53
Retail	1.07	1.35	2.30	4.83	5.17	4.96	5.50	7.19
Finance, Insurance, Real Estate	0.34	0.39	0.93	2.34	3.22	1.71	1.18	0.60
Services *(of which)*	**1.39**	**1.66**	**3.29**	**8.33**	**12.85**	**6.41**	**2.72**	**4.21**
Business services	3.28	3.70	6.38	16.91	28.55	12.48	2.74	6.98
Education	0.00	-0.01	-0.02	-0.04	-0.10	-0.15	-0.12	0.00
Health & social	0.00	0.08	0.40	1.31	2.22	1.61	1.20	1.57
Accommodation & food	0.95	1.16	2.71	6.42	8.58	4.20	2.44	2.92
Recreation & amusement	0.01	0.43	1.69	5.27	8.47	5.35	2.47	3.60
Personal	2.48	3.09	5.91	15.11	24.37	14.41	7.05	8.79
Total Nonbusiness *(of which)*	**0.00**	**0.04**	**0.11**	**0.14**	**0.16**	**0.16**	**0.16**	**0.18**
Services	0.00	0.05	0.12	0.16	0.17	0.17	0.17	0.23
Public administration	0.00	0.04	0.11	0.14	0.16	0.16	0.17	0.17

	2002	2003	2004	2005	2006	2007	2008	2008-25
Employment of seclected industries				Impact				Avg impact
Total Economy	**173**	**218**	**1,072**	**3,467**	**6,919**	**3,781**	**898**	**936**
Total Business	**173**	**212**	**1,058**	**3,448**	**6,898**	**3,760**	**875**	**909**
Manufacturing, Durables	0	0	0	1	1	1	0	0
Manufacturing, Nondurables	10	12	31	79	105	47	19	28
Construction	0	0	615	2,343	5,263	2,799	237	119
Transportation	11	14	46	123	173	124	108	69
Pipeline	0	0	0	0	50	73	107	160
Communications & Utilities	2	3	10	26	34	18	16	18
Trade	40	52	90	192	204	193	208	240
Finance, Insurance, Real Estate	4	5	12	31	42	22	15	7
Services *(of which)*	**105**	**125**	**248**	**641**	**1,013**	**473**	**156**	**264**
Business services	63	73	126	335	558	238	41	125
Accommodation & food	27	33	83	203	285	131	65	73
Recreation & amusement	0	0	0	0	0	0	0	0
Personal	20	25	49	127	209	125	62	78
Total Nonbusiness	**0**	**6**	**14**	**19**	**21**	**22**	**22**	**27**

British Columbia
GDP and Employment Impacts - Scenario I

	2002	2003	2004	2005	2006	2007	2008	2008-25
GDP of seclected industries				% Impact				Avg %impact
Total Economy	**0.01**	**0.01**	**0.08**	**0.23**	**0.38**	**0.21**	**0.21**	**0.26**
Total Business	**0.01**	**0.01**	**0.09**	**0.27**	**0.43**	**0.24**	**0.25**	**0.29**
Mining	0.02	0.02	0.29	0.63	0.21	-0.03	0.06	0.27
Manufacturing *(of which)*	**0.01**	**0.01**	**0.08**	**0.24**	**0.25**	**0.07**	**0.00**	**0.00**
Printing & publishing	0.04	0.05	0.13	0.32	0.41	0.19	0.09	0.11
Primary metals	0.01	0.01	0.12	0.25	0.11	0.03	0.07	0.05
Metal fabricating	0.00	0.00	0.39	1.41	1.84	0.36	-0.36	-0.19
Machinery	0.04	0.03	0.03	0.05	0.01	-0.20	-0.48	-0.18
Transportation eqpt.	0.03	0.03	0.10	0.29	0.40	0.28	0.25	0.07
Electrical products	0.01	0.01	0.05	0.13	0.21	0.19	0.23	0.05
Petroleum & coal products	0.06	0.07	0.16	0.41	0.56	0.23	0.11	0.14
Manufacturing, Durables	0.01	0.01	0.10	0.30	0.32	0.10	0.01	0.00
Manufacturing, Nondurables	0.02	0.02	0.06	0.14	0.13	0.01	-0.03	0.01
Construction	0.00	0.00	0.45	1.64	3.48	1.80	0.11	0.03
Transportation	-0.02	-0.01	0.06	0.18	0.26	0.18	0.12	0.08
Pipelines	0.01	0.01	0.06	0.15	0.10	4.02	24.05	30.79
Communication	0.03	0.03	0.08	0.21	0.30	0.17	0.12	0.12
Utilities	0.02	0.02	0.09	0.21	0.19	0.09	0.11	0.12
Trade *(of which)*	**0.00**	**0.00**	**0.07**	**0.26**	**0.49**	**0.25**	**0.03**	**0.05**
Wholesale	-0.01	-0.01	0.10	0.37	0.71	0.35	0.03	0.02
Retail	0.00	0.00	0.05	0.16	0.31	0.17	0.03	0.07
Finance, Insurance, Real Estate	0.01	0.01	0.03	0.07	0.09	0.05	0.05	0.02
Services *(of which)*	**0.01**	**0.02**	**0.08**	**0.23**	**0.40**	**0.20**	**0.06**	**0.08**
Business services	0.01	0.00	0.10	0.34	0.61	0.29	0.07	0.09
Education	0.00	-0.01	-0.02	-0.05	-0.12	-0.19	-0.18	-0.11
Health & social	0.00	0.01	0.02	0.04	0.07	0.05	0.04	0.04
Accommodation & food	0.02	0.02	0.08	0.24	0.39	0.20	0.06	0.08
Recreation & amusement	0.01	0.02	0.04	0.09	0.14	0.09	0.05	0.06
Personal	0.03	0.04	0.10	0.28	0.51	0.29	0.08	0.10
Total Nonbusiness *(of which)*	**0.00**	**0.00**	**0.00**	**0.01**	**0.01**	**0.00**	**0.00**	**0.00**
Services	0.00	0.00	0.00	0.01	0.02	0.01	0.00	0.00
Public administration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2002	2003	2004	2005	2006	2007	2008	2008-25
Employment of seclected industries				Impact				Avg impact
Total Economy	**120**	**165**	**1,390**	**4,594**	**8,642**	**4,648**	**897**	**622**
Total Business	**121**	**167**	**1,382**	**4,562**	**8,593**	**4,643**	**911**	**607**
Manufacturing, Durables	4	6	56	217	339	190	48	-176
Manufacturing, Nondurables	5	8	21	45	48	11	-17	2
Construction	-2	-1	567	2,109	4,534	2,400	152	18
Transportation	8	11	55	149	206	132	98	98
Pipeline	0	0	0	0	0	21	55	132
Communications & Utilities	4	7	23	64	97	72	55	64
Trade	14	29	156	473	830	573	274	320
Finance, Insurance, Real Estate	8	9	23	57	76	46	41	18
Services *(of which)*	**73**	**92**	**440**	**1,334**	**2,345**	**1,154**	**209**	**104**
Business services	5	2	190	658	1,246	542	-16	-48
Accommodation & food	41	51	152	409	608	270	67	-20
Recreation & amusement	1	1	3	9	14	9	5	8
Personal	25	35	89	246	462	319	133	135
Total Nonbusiness	**-1**	**-2**	**8**	**31**	**50**	**5**	**-14**	**16**

Alberta
GDP and Employment Impacts - Scenario I

	2002	2003	2004	2005	2006	2007	2008	2008-25
GDP of seclected industries				% Impact				Avg %impact
Total Economy	**0.08**	**0.09**	**0.06**	**0.09**	**0.12**	**0.07**	**0.06**	**0.07**
Total Business	**0.09**	**0.10**	**0.07**	**0.10**	**0.14**	**0.08**	**0.06**	**0.08**
Mining	0.01	0.01	0.02	0.05	0.03	0.02	0.12	0.17
Manufacturing *(of which)*	**0.04**	**0.04**	**0.09**	**0.15**	**0.16**	**0.05**	**0.03**	**0.01**
Printing & publishing	0.02	0.02	0.05	0.12	0.15	0.07	0.03	0.04
Primary metals	0.00	0.00	0.03	0.07	0.03	0.01	0.02	0.01
Metal fabricating	0.28	0.29	0.34	0.34	0.38	0.07	0.00	0.01
Machinery	0.04	0.03	0.03	0.05	0.01	-0.20	-0.48	-0.18
Transportation eqpt.	0.02	0.02	0.25	0.79	1.10	0.87	1.06	0.37
Electrical products	0.01	0.01	0.05	0.13	0.21	0.19	0.23	0.05
Petroleum & coal products	0.01	0.01	0.03	0.09	0.12	0.05	0.02	0.03
Manufacturing, Durables	0.07	0.07	0.13	0.19	0.23	0.11	0.08	0.02
Manufacturing, Nondurables	0.01	0.02	0.05	0.12	0.09	-0.01	-0.03	0.00
Construction	0.81	0.98	0.42	0.41	0.86	0.56	0.03	0.01
Transportation	0.27	0.33	0.14	0.09	0.05	0.08	0.04	0.05
Pipelines	0.01	0.01	0.06	0.15	0.10	0.08	0.46	0.60
Communication	0.02	0.02	0.03	0.07	0.09	0.06	0.04	0.05
Utilities	0.01	0.01	0.07	0.16	0.13	0.07	0.09	0.11
Trade *(of which)*	**0.11**	**0.13**	**0.08**	**0.11**	**0.19**	**0.12**	**0.04**	**0.04**
Wholesale	0.18	0.21	0.11	0.13	0.24	0.15	0.04	0.03
Retail	0.04	0.04	0.04	0.08	0.13	0.08	0.03	0.05
Finance, Insurance, Real Estate	0.00	0.01	0.02	0.05	0.05	0.03	0.06	0.06
Services *(of which)*	**0.06**	**0.07**	**0.06**	**0.11**	**0.16**	**0.08**	**0.02**	**0.03**
Business services	0.13	0.15	0.08	0.10	0.15	0.06	-0.02	0.01
Education	0.00	-0.01	-0.02	-0.04	-0.10	-0.17	-0.15	-0.09
Health & social	0.00	0.00	0.01	0.02	0.04	0.03	0.02	0.02
Accommodation & food	0.04	0.04	0.07	0.15	0.22	0.11	0.06	0.06
Recreation & amusement	0.01	0.02	0.04	0.10	0.15	0.10	0.05	0.07
Personal	0.02	0.03	0.05	0.12	0.20	0.11	0.04	0.04
Total Nonbusiness *(of which)*	**0.00**	**0.00**	**0.00**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**
Services	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
Public administration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2002	2003	2004	2005	2006	2007	2008	2008-25
Employment of seclected industries				Impact				Avg impact
Total Economy	**1,732**	**2,097**	**1,242**	**1,709**	**2,886**	**1,816**	**455**	**264**
Total Business	**1,716**	**2,079**	**1,231**	**1,692**	**2,860**	**1,809**	**456**	**245**
Manufacturing, Durables	44	65	106	164	230	128	27	-13
Manufacturing, Nondurables	3	5	14	29	30	11	-5	-3
Construction	1,239	1,477	633	627	1,325	875	52	-22
Transportation	75	92	51	57	59	45	21	2
Pipeline	0	0	0	0	0	2	9	9
Communications & Utilities	3	5	10	25	34	38	36	63
Trade	123	160	159	319	537	451	283	301
Finance, Insurance, Real Estate	3	5	11	24	41	37	25	2
Services *(of which)*	**204**	**244**	**203**	**361**	**500**	**169**	**-63**	**-190**
Business services	156	183	81	72	88	-41	-150	-173
Accommodation & food	40	50	100	233	317	136	42	-57
Recreation & amusement	1	1	2	6	9	5	2	4
Personal	5	9	17	41	71	60	37	24
Total Nonbusiness	**16**	**18**	**11**	**17**	**25**	**6**	**-1**	**19**

Prairies (Saskatchewan, Manitoba)
GDP and Employment Impacts - Scenario I

GDP of seclected industries	2002	2003	2004	2005 % Impact	2006	2007	2008	2008-25 Avg %impact
Total Economy	**0.01**	**0.01**	**0.13**	**0.30**	**0.12**	**0.02**	**0.02**	**0.03**
Total Business	**0.01**	**0.01**	**0.16**	**0.36**	**0.15**	**0.03**	**0.03**	**0.04**
Mining	0.01	0.01	0.11	0.21	0.03	-0.03	0.03	0.11
Manufacturing *(of which)*	**0.05**	**0.05**	**1.01**	**2.28**	**0.89**	**0.18**	**0.07**	**0.03**
Printing & publishing	0.02	0.02	0.05	0.12	0.15	0.07	0.03	0.04
Primary metals	0.69	0.71	15.99	34.37	10.92	0.76	-0.93	-0.38
Metal fabricating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Machinery	-0.01	-0.02	-0.07	-0.16	-0.08	0.05	-0.01	-0.01
Transportation eqpt.	0.02	0.02	0.30	0.95	1.33	1.06	1.30	0.44
Electrical products	0.01	0.01	0.05	0.13	0.21	0.19	0.23	0.05
Petroleum & coal products	0.01	0.02	0.03	0.09	0.12	0.05	0.02	0.03
Manufacturing, Durables	0.08	0.08	1.91	4.31	1.64	0.36	0.19	0.05
Manufacturing, Nondurables	0.01	0.01	0.05	0.11	0.08	-0.02	-0.06	-0.01
Construction	0.00	0.01	0.02	0.03	0.00	0.05	0.09	0.01
Transportation	-0.02	-0.02	0.07	0.22	0.26	0.13	0.07	0.05
Pipelines	0.01	0.01	0.06	0.15	0.10	0.06	0.02	0.06
Communication	0.01	0.01	0.02	0.04	0.06	0.04	0.03	0.03
Utilities	0.02	0.02	0.08	0.19	0.17	0.08	0.10	0.13
Trade *(of which)*	**-0.03**	**-0.03**	**-0.06**	**-0.16**	**-0.22**	**-0.12**	**-0.03**	**0.02**
Wholesale	-0.06	-0.07	-0.12	-0.33	-0.52	-0.29	-0.09	0.02
Retail	0.00	0.00	0.00	0.02	0.08	0.05	0.02	0.04
Finance, Insurance, Real Estate	0.00	0.01	0.02	0.04	0.05	0.03	0.04	0.01
Services *(of which)*	**0.01**	**0.01**	**0.03**	**0.08**	**0.10**	**0.04**	**0.01**	**0.02**
Business services	0.00	-0.01	0.01	0.03	0.02	-0.02	-0.03	-0.01
Education	0.00	0.00	-0.01	-0.05	-0.09	-0.14	-0.13	-0.08
Health & social	0.00	0.00	0.01	0.02	0.03	0.02	0.02	0.02
Accommodation & food	0.02	0.02	0.07	0.18	0.22	0.10	0.05	0.05
Recreation & amusement	0.01	0.02	0.03	0.08	0.12	0.08	0.04	0.05
Personal	0.01	0.01	0.03	0.07	0.08	0.03	0.01	0.01
Total Nonbusiness *(of which)*	**0.00**	**0.00**	**0.00**	**0.01**	**0.01**	**0.00**	**0.00**	**0.01**
Services	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
Public administration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Employment of seclected industries	2002	2003	2004	2005 Impact	2006	2007	2008	2008-25 Avg impact
Total Economy	**73**	**99**	**770**	**1,822**	**1,239**	**479**	**144**	**3**
Total Business	**72**	**98**	**766**	**1,808**	**1,220**	**479**	**147**	**-21**
Manufacturing, Durables	24	27	519	1,203	482	85	-21	-46
Manufacturing, Nondurables	4	7	16	37	48	28	8	-26
Construction	3	4	11	23	19	-6	-21	-14
Transportation	-3	-3	23	66	81	43	23	5
Pipeline	0	0	0	0	0	0	0	0
Communications & Utilities	0	2	7	18	23	25	25	30
Trade	7	17	54	146	246	227	166	168
Finance, Insurance, Real Estate	2	4	9	20	33	29	17	1
Services *(of which)*	**28**	**33**	**89**	**217**	**259**	**59**	**-53**	**-118**
Business services	0	-3	1	2	-26	-57	-74	-90
Accommodation & food	27	33	81	198	261	89	0	-45
Recreation & amusement	0	0	1	3	5	3	1	2
Personal	-1	1	2	2	-4	10	14	3
Total Nonbusiness	**2**	**1**	**5**	**14**	**19**	**0**	**-4**	**24**

Central Canada (Ontario, Quebec)
GDP and Employment Impacts - Scenario I

GDP of seclected industries	2002	2003	2004	2005 % Impact	2006	2007	2008	2008-25 Avg %impact
Total Economy	**0.01**	**0.01**	**0.04**	**0.10**	**0.10**	**0.05**	**0.04**	**0.02**
Total Business	**0.01**	**0.01**	**0.05**	**0.12**	**0.11**	**0.05**	**0.05**	**0.02**
Mining	0.01	0.00	0.10	0.24	0.14	0.02	-0.01	0.01
Manufacturing *(of which)*	**0.01**	**0.01**	**0.08**	**0.20**	**0.15**	**0.06**	**0.06**	**0.02**
Printing & publishing	0.02	0.02	0.05	0.12	0.15	0.07	0.03	0.04
Primary metals	0.03	0.03	0.63	1.34	0.45	0.05	0.01	0.01
Metal fabricating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Machinery	0.04	0.03	0.03	0.05	0.01	-0.20	-0.48	-0.18
Transportation eqpt.	0.01	0.01	0.07	0.19	0.24	0.14	0.18	0.07
Electrical products	0.01	0.01	0.05	0.13	0.21	0.19	0.23	0.05
Petroleum & coal products	0.01	0.02	0.03	0.09	0.12	0.05	0.02	0.03
Manufacturing, Durables	0.01	0.01	0.10	0.25	0.19	0.10	0.11	0.03
Manufacturing, Nondurables	0.01	0.01	0.04	0.09	0.08	-0.02	-0.04	-0.01
Construction	0.00	0.00	0.01	0.02	0.05	0.08	0.12	0.01
Transportation	-0.03	-0.03	0.06	0.17	0.17	0.07	0.05	0.04
Pipelines	0.01	0.01	0.06	0.15	0.10	0.06	0.02	0.06
Communication	0.01	0.01	0.02	0.06	0.08	0.05	0.04	0.04
Utilities	0.02	0.02	0.09	0.21	0.19	0.10	0.11	0.13
Trade *(of which)*	**0.00**	**0.00**	**0.04**	**0.10**	**0.12**	**0.07**	**0.05**	**0.04**
Wholesale	0.00	0.00	0.05	0.14	0.15	0.09	0.06	0.03
Retail	0.01	0.01	0.02	0.06	0.07	0.04	0.04	0.04
Finance, Insurance, Real Estate	0.00	0.01	0.01	0.04	0.05	0.03	0.03	0.00
Services *(of which)*	**0.01**	**0.01**	**0.03**	**0.07**	**0.09**	**0.03**	**0.01**	**0.02**
Business services	0.00	0.00	0.02	0.05	0.06	0.01	0.00	0.01
Education	0.00	-0.01	-0.02	-0.05	-0.12	-0.19	-0.18	-0.10
Health & social	0.00	0.00	0.01	0.02	0.04	0.02	0.02	0.02
Accommodation & food	0.03	0.03	0.08	0.19	0.25	0.10	0.04	0.05
Recreation & amusement	0.01	0.01	0.03	0.07	0.11	0.07	0.03	0.05
Personal	0.01	0.02	0.02	0.06	0.08	0.04	0.02	0.02
Total Nonbusiness *(of which)*	**0.00**	**0.00**	**0.00**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**
Services	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
Public administration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Employment of seclected industries	2002	2003	2004	2005 Impact	2006	2007	2008	2008-25 Avg impact
Total Economy	**467**	**680**	**2,715**	**6,728**	**7,757**	**4,004**	**2,020**	**-81**
Total Business	**458**	**677**	**2,691**	**6,634**	**7,623**	**3,999**	**2,034**	**-203**
Manufacturing, Durables	79	100	801	1,923	1,371	399	14	-141
Manufacturing, Nondurables	65	114	267	608	791	448	133	-517
Construction	47	62	180	395	354	-56	-259	-169
Transportation	-2	-1	181	505	646	379	280	125
Pipeline	0	0	0	0	0	0	0	0
Communications & Utilities	3	15	52	148	209	271	259	260
Trade	75	162	609	1,597	2,324	2,050	1,593	1,445
Finance, Insurance, Real Estate	35	56	120	282	448	348	175	-15
Services *(of which)*	**221**	**274**	**672**	**1,556**	**1,808**	**187**	**-607**	**-1,527**
Business services	22	13	72	102	-205	-708	-856	-1,237
Accommodation & food	180	220	535	1,319	1,805	656	46	-407
Recreation & amusement	2	4	9	25	39	23	9	15
Personal	11	31	37	54	86	188	195	50
Total Nonbusiness	**9**	**3**	**24**	**94**	**134**	**5**	**-14**	**122**

Atlantic Canada
GDP and Employment Impacts - Scenario I

	2002	2003	2004	2005	2006	2007	2008	2008-25
GDP of seclected industries				% Impact				Avg %impact
Total Economy	**0.00**	**0.00**	**0.03**	**0.07**	**0.08**	**0.03**	**0.02**	**0.00**
Total Business	**0.01**	**0.00**	**0.03**	**0.09**	**0.10**	**0.04**	**0.02**	**0.00**
Mining	0.02	0.01	0.15	0.30	0.12	0.01	0.02	0.05
Manufacturing *(of which)*	**0.01**	**0.01**	**0.05**	**0.13**	**0.13**	**0.02**	**-0.01**	**-0.02**
Printing & publishing	0.01	0.02	0.05	0.12	0.15	0.06	0.03	0.04
Primary metals	0.01	0.01	0.08	0.21	0.10	0.03	0.06	0.04
Metal fabricating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Machinery	0.03	0.03	0.02	0.04	0.02	-0.19	-0.48	-0.18
Transportation eqpt.	0.03	0.03	0.24	0.74	0.98	0.66	0.51	-0.03
Electrical products	0.01	0.01	0.04	0.14	0.21	0.19	0.23	0.05
Petroleum & coal products	0.01	0.01	0.03	0.09	0.12	0.05	0.02	0.03
Manufacturing, Durables	0.01	0.01	0.07	0.20	0.25	0.15	0.12	0.00
Manufacturing, Nondurables	0.01	0.01	0.04	0.08	0.06	-0.05	-0.08	-0.04
Construction	0.00	0.00	0.01	0.01	0.02	0.04	0.06	0.00
Transportation	-0.03	-0.06	-0.01	0.16	0.22	0.13	0.09	0.06
Pipelines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Communication	0.01	0.01	0.02	0.04	0.05	0.00	-0.01	-0.05
Utilities	0.02	0.02	0.08	0.19	0.17	0.07	0.09	0.08
Trade *(of which)*	**0.00**	**0.00**	**0.03**	**0.08**	**0.09**	**0.06**	**0.04**	**0.04**
Wholesale	-0.01	-0.01	0.03	0.07	0.03	0.02	0.04	0.02
Retail	0.01	0.01	0.03	0.08	0.14	0.09	0.04	0.05
Finance, Insurance, Real Estate	0.00	0.01	0.01	0.03	0.05	0.04	0.03	0.00
Services *(of which)*	**0.01**	**0.02**	**0.04**	**0.10**	**0.16**	**0.09**	**0.03**	**0.00**
Business services	0.02	0.02	0.04	0.12	0.20	0.08	0.02	-0.06
Education	0.00	0.00	0.00	0.00	-0.04	-0.08	-0.08	-0.03
Health & social	0.00	0.00	0.01	0.03	0.04	0.03	0.02	0.03
Accommodation & food	0.02	0.02	0.06	0.15	0.22	0.12	0.06	0.05
Recreation & amusement	0.01	0.01	0.03	0.07	0.12	0.08	0.04	0.05
Personal	0.01	0.02	0.03	0.08	0.17	0.11	0.03	0.03
Total Nonbusiness *(of which)*	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Services	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
Public administration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2002	2003	2004	2005	2006	2007	2008	2008-25
Employment of seclected industries				Impact				Avg impact
Total Economy	**70**	**102**	**298**	**747**	**1,048**	**592**	**195**	**-7**
Total Business	**68**	**101**	**292**	**730**	**1,024**	**588**	**194**	**-27**
Manufacturing, Durables	5	6	22	58	67	12	-65	-73
Manufacturing, Nondurables	4	8	18	42	60	39	5	-19
Construction	3	4	11	25	25	-5	-33	24
Transportation	4	5	30	74	85	49	33	14
Pipeline	0	0	0	0	0	0	0	0
Communications & Utilities	0	2	5	14	19	23	19	12
Trade	14	26	80	208	331	267	175	170
Finance, Insurance, Real Estate	2	4	8	20	31	25	14	2
Services *(of which)*	**32**	**43**	**97**	**240**	**358**	**148**	**-2**	**-147**
Business services	8	9	16	38	50	-12	-48	-121
Accommodation & food	21	27	67	165	231	92	14	-49
Recreation & amusement	0	1	1	3	4	3	1	0
Personal	3	6	10	24	60	59	25	11
Total Nonbusiness	**2**	**2**	**6**	**17**	**23**	**5**	**1**	**19**

Appendix B

Selected Industry Detail
For Scenario II

Territories
GDP and Employment Impacts - Scenario II

	2002	2003	2004	2005	2006	2007	2008	2008-25
GDP of seclected industries				% Impact				Avg %impact
Total Economy	**0.38**	**0.66**	**2.04**	**6.12**	**11.20**	**8.58**	**9.49**	**10.81**
Total Business	**0.49**	**0.85**	**2.62**	**7.89**	**14.44**	**11.04**	**12.17**	**13.57**
Mining	0.01	0.01	0.06	0.15	0.11	0.00	-0.02	-0.06
Manufacturing *(of which)*	**2.67**	**3.82**	**8.69**	**21.51**	**30.97**	**19.35**	**10.68**	**6.94**
Printing & publishing	4.34	6.58	14.62	36.34	53.62	38.39	23.64	17.58
Primary metals	-	-	-	-	-	-	-	-
Metal fabricating	0.00	0.00	0.59	2.15	3.02	0.89	-1.17	-0.52
Machinery	-	-	-	-	-	-	-	-
Transportation eqpt.	-	-	-	-	-	-	-	-
Electrical products	-	-	-	-	-	-	-	-
Petroleum & coal products	2.81	3.78	8.31	21.01	30.64	17.93	11.27	12.73
Manufacturing, Durables	0.00	0.01	0.50	1.76	2.16	0.68	-0.69	-0.38
Manufacturing, Nondurables	3.33	4.78	10.47	25.96	37.65	23.89	13.60	9.30
Construction	0.00	0.01	9.63	36.25	80.48	43.02	3.42	2.56
Transportation	0.76	1.15	3.34	8.73	12.35	9.76	7.72	4.44
Pipelines	0.01	0.01	0.06	0.15	0.11	148.01	892.32	1214.10
Communication	0.34	1.21	3.61	11.53	18.79	14.74	10.86	11.46
Utilities	0.30	0.98	2.88	9.08	14.70	11.59	8.68	9.52
Trade *(of which)*	**1.13**	**1.98**	**3.32**	**7.97**	**12.52**	**13.97**	**12.78**	**17.98**
Wholesale	0.01	0.02	0.09	0.27	0.44	0.43	0.40	0.56
Retail	1.59	2.79	4.64	11.15	17.62	19.85	18.29	27.68
Finance, Insurance, Real Estate	0.41	0.61	1.25	3.16	4.78	3.42	2.32	0.74
Services *(of which)*	**1.67**	**2.70**	**4.93**	**12.78**	**21.59**	**16.53**	**10.04**	**6.88**
Business services	3.51	4.67	7.50	19.83	33.98	17.26	1.91	-15.93
Education	0.00	0.01	0.01	0.02	0.02	-0.04	-0.09	0.00
Health & social	0.01	0.31	0.95	3.19	6.12	6.28	5.35	8.97
Accommodation & food	1.38	2.49	4.86	12.06	19.61	17.41	13.16	13.08
Recreation & amusement	0.02	1.83	4.38	13.66	25.56	25.20	17.93	19.20
Personal	2.88	4.54	8.12	20.90	35.86	28.56	18.74	22.32
Total Nonbusiness *(of which)*	**0.00**	**0.05**	**0.11**	**0.15**	**0.17**	**0.18**	**0.18**	**0.20**
Services	0.00	0.05	0.13	0.18	0.23	0.23	0.23	0.30
Public administration	0.00	0.04	0.11	0.14	0.16	0.16	0.17	0.17

	2002	2003	2004	2005	2006	2007	2008	2008-25
Employment of seclected industries				Impact				Avg impact
Total Economy	**221**	**367**	**1,331**	**4,184**	**8,279**	**5,338**	**1,982**	**1,715**
Total Business	**221**	**361**	**1,316**	**4,163**	**8,255**	**5,314**	**1,957**	**1,683**
Manufacturing, Durables	0	0	0	1	3	3	1	0
Manufacturing, Nondurables	12	19	44	111	167	117	67	44
Construction	0	0	637	2,419	5,371	2,908	234	191
Transportation	14	22	62	167	266	245	221	163
Pipeline	0	0	0	0	50	73	107	160
Communications & Utilities	3	6	15	44	69	55	44	43
Trade	60	108	181	442	685	758	686	910
Finance, Insurance, Real Estate	5	8	16	41	62	44	29	9
Services *(of which)*	**125**	**195**	**354**	**926**	**1,569**	**1,098**	**557**	**170**
Business services	69	94	152	402	687	362	48	-341
Accommodation & food	39	70	144	365	598	495	346	319
Recreation & amusement	0	0	0	0	0	0	0	0
Personal	23	37	67	176	308	248	164	198
Total Nonbusiness	**0**	**6**	**15**	**20**	**24**	**25**	**25**	**32**

British Columbia
GDP and Employment Impacts - Scenario II

	2002	2003	2004	2005	2006	2007	2008	2008-25
GDP of seclected industries				% Impact				Avg %impact
Total Economy	**0.01**	**0.02**	**0.10**	**0.29**	**0.47**	**0.32**	**0.28**	**0.30**
Total Business	**0.01**	**0.02**	**0.11**	**0.33**	**0.54**	**0.36**	**0.32**	**0.34**
Mining	0.02	0.02	0.30	0.64	0.23	-0.02	0.03	0.14
Manufacturing *(of which)*	**0.02**	**0.02**	**0.10**	**0.29**	**0.35**	**0.16**	**0.00**	**-0.09**
Printing & publishing	0.06	0.08	0.18	0.46	0.67	0.48	0.30	0.22
Primary metals	0.01	0.01	0.12	0.25	0.12	0.04	0.07	0.07
Metal fabricating	0.00	0.00	0.48	1.70	2.35	0.69	-0.90	-1.74
Machinery	0.04	0.04	0.04	0.06	0.02	-0.25	-0.66	-0.81
Transportation eqpt.	0.03	0.04	0.12	0.33	0.47	0.33	0.22	0.20
Electrical products	0.01	0.02	0.06	0.17	0.28	0.30	0.34	0.30
Petroleum & coal products	0.07	0.09	0.20	0.50	0.73	0.43	0.27	0.30
Manufacturing, Durables	0.01	0.02	0.11	0.35	0.42	0.19	-0.01	-0.12
Manufacturing, Nondurables	0.02	0.04	0.08	0.20	0.24	0.12	0.02	-0.02
Construction	0.00	0.00	0.46	1.69	3.57	1.89	0.15	0.04
Transportation	-0.01	-0.01	0.07	0.21	0.34	0.29	0.22	0.16
Pipelines	0.01	0.01	0.06	0.15	0.11	4.02	24.05	30.79
Communication	0.04	0.06	0.13	0.36	0.57	0.45	0.34	0.36
Utilities	0.03	0.05	0.12	0.33	0.50	0.40	0.30	0.32
Trade *(of which)*	**0.00**	**0.01**	**0.10**	**0.32**	**0.61**	**0.38**	**0.12**	**0.16**
Wholesale	-0.01	0.00	0.12	0.42	0.80	0.45	0.07	0.05
Retail	0.01	0.02	0.08	0.24	0.44	0.33	0.16	0.28
Finance, Insurance, Real Estate	0.01	0.02	0.04	0.09	0.13	0.10	0.08	0.03
Services *(of which)*	**0.02**	**0.04**	**0.11**	**0.32**	**0.57**	**0.40**	**0.20**	**0.17**
Business services	0.01	0.01	0.12	0.38	0.68	0.35	0.06	-0.02
Education	0.00	0.01	0.01	0.03	0.03	-0.04	-0.10	-0.18
Health & social	0.01	0.02	0.04	0.10	0.18	0.18	0.15	0.24
Accommodation & food	0.03	0.06	0.14	0.39	0.68	0.54	0.34	0.33
Recreation & amusement	0.02	0.05	0.09	0.23	0.41	0.41	0.30	0.34
Personal	0.04	0.06	0.13	0.37	0.68	0.50	0.23	0.25
Total Nonbusiness *(of which)*	**0.00**	**0.00**	**0.01**	**0.02**	**0.04**	**0.03**	**0.03**	**0.03**
Services	0.00	0.01	0.01	0.03	0.06	0.05	0.04	0.05
Public administration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2002	2003	2004	2005	2006	2007	2008	2008-25
Employment of seclected industries				Impact				Avg impact
Total Economy	**191**	**385**	**1,802**	**5,743**	**10,871**	**7,374**	**3,090**	**2,308**
Total Business	**187**	**373**	**1,770**	**5,643**	**10,686**	**7,211**	**2,975**	**2,111**
Manufacturing, Durables	5	10	72	266	433	285	38	-917
Manufacturing, Nondurables	7	13	31	69	97	74	40	-9
Construction	-1	1	589	2,182	4,647	2,528	207	60
Transportation	12	22	76	213	342	319	289	414
Pipeline	0	0	0	0	0	21	55	132
Communications & Utilities	7	14	37	107	176	167	139	146
Trade	29	73	243	703	1,280	1,163	846	1,213
Finance, Insurance, Real Estate	9	14	30	76	112	85	69	27
Services *(of which)*	**110**	**210**	**638**	**1,881**	**3,420**	**2,458**	**1,250**	**1,049**
Business services	11	24	224	759	1,442	754	72	-229
Accommodation & food	64	121	270	730	1,228	1,032	744	708
Recreation & amusement	2	4	8	22	41	41	30	40
Personal	30	51	117	321	618	524	297	321
Total Nonbusiness	**4**	**12**	**32**	**100**	**185**	**163**	**115**	**197**

Alberta
GDP and Employment Impacts - Scenario II

	2002	2003	2004	2005	2006	2007	2008	2008-25
GDP of seclected industries				% Impact				Avg %impact
Total Economy	**0.08**	**0.10**	**0.07**	**0.12**	**0.17**	**0.12**	**0.09**	**0.07**
Total Business	**0.09**	**0.11**	**0.08**	**0.13**	**0.19**	**0.13**	**0.10**	**0.08**
Mining	0.01	0.01	0.02	0.05	0.03	0.02	0.11	0.14
Manufacturing *(of which)*	**0.05**	**0.06**	**0.11**	**0.19**	**0.23**	**0.11**	**0.06**	**-0.07**
Printing & publishing	0.02	0.03	0.07	0.17	0.24	0.17	0.11	0.08
Primary metals	0.00	0.00	0.03	0.07	0.04	0.01	0.02	0.02
Metal fabricating	0.31	0.40	0.41	0.41	0.48	0.13	0.00	0.00
Machinery	0.04	0.04	0.04	0.06	0.02	-0.25	-0.66	-0.81
Transportation eqpt.	0.02	0.03	0.26	0.81	1.14	0.90	1.02	0.94
Electrical products	0.01	0.02	0.06	0.17	0.28	0.30	0.34	0.30
Petroleum & coal products	0.01	0.02	0.04	0.10	0.15	0.09	0.06	0.06
Manufacturing, Durables	0.08	0.10	0.15	0.22	0.29	0.17	0.11	-0.09
Manufacturing, Nondurables	0.02	0.03	0.07	0.16	0.16	0.06	0.00	-0.04
Construction	0.81	0.99	0.43	0.43	0.90	0.62	0.08	0.00
Transportation	0.27	0.34	0.16	0.11	0.10	0.14	0.09	0.03
Pipelines	0.01	0.01	0.06	0.15	0.11	0.08	0.46	0.60
Communication	0.02	0.03	0.04	0.10	0.16	0.13	0.11	0.13
Utilities	0.02	0.02	0.06	0.14	0.17	0.13	0.12	0.12
Trade *(of which)*	**0.12**	**0.15**	**0.10**	**0.15**	**0.28**	**0.22**	**0.12**	**0.14**
Wholesale	0.19	0.23	0.13	0.17	0.31	0.22	0.09	0.06
Retail	0.04	0.06	0.06	0.14	0.25	0.22	0.15	0.25
Finance, Insurance, Real Estate	0.00	0.01	0.02	0.06	0.06	0.05	0.08	0.06
Services *(of which)*	**0.06**	**0.09**	**0.08**	**0.17**	**0.29**	**0.22**	**0.12**	**0.08**
Business services	0.13	0.16	0.08	0.12	0.19	0.08	-0.06	-0.14
Education	0.00	0.01	0.01	0.03	0.03	-0.03	-0.09	-0.16
Health & social	0.01	0.01	0.02	0.06	0.10	0.10	0.08	0.13
Accommodation & food	0.05	0.08	0.12	0.28	0.47	0.40	0.30	0.28
Recreation & amusement	0.02	0.05	0.10	0.25	0.45	0.45	0.32	0.37
Personal	0.02	0.04	0.07	0.17	0.29	0.22	0.13	0.13
Total Nonbusiness *(of which)*	**0.00**	**0.00**	**0.01**	**0.02**	**0.03**	**0.03**	**0.02**	**0.03**
Services	0.00	0.01	0.01	0.03	0.05	0.05	0.04	0.05
Public administration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2002	2003	2004	2005	2006	2007	2008	2008-25
Employment of seclected industries				Impact				Avg impact
Total Economy	**1,792**	**2,291**	**1,535**	**2,398**	**4,241**	**3,542**	**1,972**	**1,651**
Total Business	**1,773**	**2,263**	**1,507**	**2,333**	**4,121**	**3,425**	**1,882**	**1,497**
Manufacturing, Durables	49	87	131	201	296	197	45	-157
Manufacturing, Nondurables	5	9	21	47	65	53	29	-5
Construction	1,247	1,500	658	657	1,389	972	135	-10
Transportation	77	98	60	81	109	112	85	58
Pipeline	0	0	0	0	0	2	9	9
Communications & Utilities	3	6	12	33	45	56	57	61
Trade	136	201	233	501	898	942	788	1,104
Finance, Insurance, Real Estate	3	7	14	33	58	61	46	1
Services *(of which)*	**226**	**316**	**312**	**647**	**1,065**	**869**	**531**	**344**
Business services	160	197	96	111	167	43	-133	-384
Accommodation & food	57	101	180	445	731	658	534	575
Recreation & amusement	1	3	5	14	26	25	18	23
Personal	6	12	23	57	104	106	82	67
Total Nonbusiness	**19**	**29**	**28**	**65**	**120**	**117**	**90**	**155**

Prairies (Saskatchewan, Manitoba)
GDP and Employment Impacts - Scenario II

	2002	2003	2004	2005	2006	2007	2008	2008-25
GDP of seclected industries				% Impact				Avg %impact
Total Economy	**0.01**	**0.01**	**0.14**	**0.33**	**0.18**	**0.09**	**0.06**	**0.03**
Total Business	**0.01**	**0.02**	**0.17**	**0.40**	**0.21**	**0.10**	**0.07**	**0.03**
Mining	0.01	0.01	0.11	0.21	0.03	-0.03	0.01	0.05
Manufacturing *(of which)*	**0.05**	**0.07**	**1.03**	**2.33**	**0.97**	**0.25**	**0.07**	**-0.17**
Printing & publishing	0.02	0.03	0.07	0.16	0.24	0.17	0.11	0.08
Primary metals	0.72	0.80	16.10	34.58	11.26	0.96	-1.35	-2.67
Metal fabricating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.10
Machinery	-0.02	-0.03	-0.10	-0.21	-0.18	-0.06	-0.10	0.16
Transportation eqpt.	0.02	0.02	0.31	0.97	1.37	1.08	1.26	0.27
Electrical products	0.01	0.02	0.06	0.17	0.28	0.30	0.34	0.02
Petroleum & coal products	0.01	0.02	0.04	0.10	0.15	0.09	0.05	0.06
Manufacturing, Durables	0.08	0.10	1.92	4.34	1.70	0.41	0.15	-0.25
Manufacturing, Nondurables	0.02	0.03	0.07	0.16	0.18	0.07	-0.02	-0.06
Construction	0.00	0.01	0.02	0.04	0.03	0.09	0.16	-0.01
Transportation	-0.02	-0.01	0.08	0.25	0.33	0.21	0.14	0.06
Pipelines	0.01	0.01	0.07	0.15	0.11	0.09	0.02	-0.04
Communication	0.01	0.01	0.03	0.07	0.11	0.09	0.08	0.10
Utilities	0.02	0.03	0.10	0.23	0.25	0.16	0.17	0.17
Trade *(of which)*	**-0.02**	**-0.02**	**-0.05**	**-0.12**	**-0.15**	**-0.03**	**0.04**	**0.11**
Wholesale	-0.05	-0.06	-0.11	-0.29	-0.45	-0.21	-0.03	0.02
Retail	0.01	0.02	0.02	0.06	0.16	0.15	0.12	0.21
Finance, Insurance, Real Estate	0.01	0.01	0.02	0.05	0.07	0.06	0.06	0.02
Services *(of which)*	**0.01**	**0.02**	**0.05**	**0.14**	**0.21**	**0.17**	**0.12**	**0.13**
Business services	0.00	0.00	0.01	0.03	0.03	-0.01	-0.03	0.02
Education	0.00	0.01	0.01	0.02	0.02	-0.04	-0.07	-0.14
Health & social	0.00	0.01	0.02	0.05	0.09	0.09	0.08	0.12
Accommodation & food	0.03	0.06	0.12	0.31	0.46	0.39	0.29	0.27
Recreation & amusement	0.02	0.04	0.08	0.21	0.37	0.36	0.25	0.26
Personal	0.01	0.01	0.03	0.08	0.10	0.06	0.04	0.04
Total Nonbusiness *(of which)*	**0.00**	**0.00**	**0.01**	**0.02**	**0.04**	**0.03**	**0.03**	**0.05**
Services	0.00	0.01	0.01	0.04	0.06	0.06	0.05	0.08
Public administration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2002	2003	2004	2005	2006	2007	2008	2008-25
Employment of seclected industries				Impact				Avg impact
Total Economy	**111**	**212**	**959**	**2,323**	**2,235**	**1,731**	**1,277**	**923**
Total Business	**107**	**202**	**940**	**2,267**	**2,134**	**1,636**	**1,202**	**769**
Manufacturing, Durables	26	33	528	1,223	524	132	-1	-221
Manufacturing, Nondurables	4	7	16	37	48	28	8	-26
Construction	1	3	12	25	23	60	106	-5
Transportation	-2	0	29	84	118	91	67	33
Pipeline	0	0	0	0	0	0	0	0
Communications & Utilities	0	3	10	28	37	47	50	47
Trade	15	42	101	265	483	547	492	643
Finance, Insurance, Real Estate	3	6	12	28	47	47	33	0
Services *(of which)*	**43**	**78**	**162**	**416**	**652**	**549**	**383**	**333**
Business services	0	-2	3	9	-9	-32	-49	-57
Accommodation & food	41	73	145	369	596	499	357	302
Recreation & amusement	1	1	3	8	14	13	8	8
Personal	-1	-1	0	-3	-12	8	21	7
Total Nonbusiness	**4**	**10**	**19**	**56**	**101**	**95**	**75**	**153**

Central Canada (Ontario, Quebec)
GDP and Employment Impacts - Scenario II

	2002	2003	2004	2005	2006	2007	2008	2008-25
GDP of seclected industries				% Impact				Avg %impact
Total Economy	**0.01**	**0.01**	**0.05**	**0.13**	**0.16**	**0.12**	**0.09**	**0.02**
Total Business	**0.01**	**0.02**	**0.06**	**0.15**	**0.18**	**0.13**	**0.10**	**0.02**
Mining	0.01	0.01	0.10	0.24	0.15	0.03	-0.02	-0.06
Manufacturing *(of which)*	**0.01**	**0.02**	**0.10**	**0.23**	**0.21**	**0.12**	**0.09**	**-0.08**
Printing & publishing	0.02	0.03	0.07	0.17	0.24	0.17	0.11	0.08
Primary metals	0.03	0.04	0.63	1.35	0.46	0.06	-0.01	-0.09
Metal fabricating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.20
Machinery	0.04	0.04	0.04	0.06	0.02	-0.25	-0.66	-0.68
Transportation eqpt.	0.01	0.01	0.07	0.20	0.26	0.14	0.14	-0.13
Electrical products	0.01	0.02	0.06	0.17	0.28	0.30	0.34	0.02
Petroleum & coal products	0.01	0.02	0.04	0.10	0.15	0.09	0.06	0.06
Manufacturing, Durables	0.01	0.02	0.11	0.27	0.23	0.15	0.13	-0.09
Manufacturing, Nondurables	0.02	0.03	0.06	0.14	0.16	0.06	-0.01	-0.06
Construction	0.00	0.01	0.01	0.02	0.08	0.12	0.20	0.02
Transportation	-0.02	-0.02	0.07	0.21	0.26	0.16	0.12	0.07
Pipelines	0.01	0.01	0.06	0.15	0.11	0.09	0.02	-0.04
Communication	0.01	0.02	0.04	0.10	0.15	0.13	0.10	0.11
Utilities	0.02	0.03	0.11	0.26	0.28	0.20	0.19	0.17
Trade *(of which)*	**0.01**	**0.02**	**0.06**	**0.15**	**0.20**	**0.17**	**0.14**	**0.12**
Wholesale	0.00	0.01	0.06	0.17	0.21	0.16	0.12	0.04
Retail	0.01	0.02	0.05	0.12	0.19	0.18	0.17	0.26
Finance, Insurance, Real Estate	0.01	0.01	0.02	0.05	0.08	0.06	0.05	0.01
Services *(of which)*	**0.01**	**0.02**	**0.05**	**0.13**	**0.20**	**0.15**	**0.09**	**0.05**
Business services	0.01	0.01	0.03	0.07	0.09	0.04	-0.01	-0.08
Education	0.00	0.01	0.01	0.03	0.03	-0.04	-0.10	-0.18
Health & social	0.01	0.01	0.02	0.06	0.10	0.10	0.08	0.13
Accommodation & food	0.04	0.08	0.15	0.37	0.59	0.50	0.36	0.35
Recreation & amusement	0.02	0.04	0.07	0.18	0.33	0.32	0.23	0.25
Personal	0.02	0.02	0.04	0.09	0.14	0.11	0.08	0.06
Total Nonbusiness *(of which)*	**0.00**	**0.00**	**0.01**	**0.02**	**0.03**	**0.03**	**0.02**	**0.04**
Services	0.00	0.01	0.01	0.03	0.06	0.05	0.04	0.07
Public administration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2002	2003	2004	2005	2006	2007	2008	2008-25
Employment of seclected industries				Impact				Avg impact
Total Economy	**751**	**1,575**	**4,222**	**10,740**	**15,765**	**14,202**	**11,442**	**6,576**
Total Business	**722**	**1,511**	**4,095**	**10,349**	**15,047**	**13,514**	**10,883**	**5,521**
Manufacturing, Durables	96	161	903	2,157	1,832	947	325	-2,046
Manufacturing, Nondurables	65	114	267	608	791	448	133	-517
Construction	-8	12	44	151	507	775	1,249	123
Transportation	12	37	251	710	1,084	964	857	756
Pipeline	0	0	0	0	0	0	0	0
Communications & Utilities	3	32	92	270	378	531	569	581
Trade	146	377	1,011	2,632	4,353	4,720	4,297	5,368
Finance, Insurance, Real Estate	41	82	165	387	649	602	370	-86
Services *(of which)*	**339**	**650**	**1,259**	**3,167**	**5,061**	**4,257**	**2,952**	**1,408**
Business services	40	81	154	342	308	-97	-480	-1,988
Accommodation & food	268	490	970	2.496	4,145	3,603	2,742	2,627
Recreation & amusement	5	12	22	64	117	113	75	83
Personal	14	42	61	109	201	369	415	214
Total Nonbusiness	**29**	**64**	**127**	**390**	**718**	**688**	**559**	**1,055**

Atlantic Canada
GDP and Employment Impacts - Scenario II

	2002	2003	2004	2005	2006	2007	2008	2008-25
GDP of seclected industries				% Impact				Avg %impact
Total Economy	**0.01**	**0.01**	**0.04**	**0.10**	**0.13**	**0.09**	**0.06**	**0.01**
Total Business	**0.01**	**0.01**	**0.04**	**0.12**	**0.16**	**0.11**	**0.07**	**0.01**
Mining	0.02	0.02	0.15	0.30	0.12	0.01	0.00	-0.01
Manufacturing *(of which)*	**0.02**	**0.02**	**0.07**	**0.17**	**0.20**	**0.09**	**0.02**	**-0.12**
Printing & publishing	0.02	0.03	0.07	0.16	0.25	0.18	0.11	0.08
Primary metals	0.01	0.01	0.08	0.22	0.11	0.03	0.06	0.01
Metal fabricating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.20
Machinery	0.03	0.03	0.02	0.04	0.02	-0.24	-0.63	-0.68
Transportation eqpt.	0.03	0.04	0.26	0.77	1.06	0.72	0.52	-0.18
Electrical products	0.01	0.03	0.06	0.17	0.28	0.30	0.34	0.02
Petroleum & coal products	0.02	0.02	0.04	0.11	0.15	0.09	0.05	0.06
Manufacturing, Durables	0.01	0.02	0.08	0.23	0.29	0.19	0.14	-0.10
Manufacturing, Nondurables	0.02	0.03	0.06	0.13	0.14	0.04	-0.05	-0.13
Construction	0.00	0.01	0.01	0.02	0.04	0.07	0.12	0.00
Transportation	-0.03	-0.05	0.01	0.20	0.31	0.24	0.18	0.10
Pipelines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
Communication	0.01	0.02	0.03	0.07	0.09	0.04	-0.01	-0.12
Utilities	0.02	0.03	0.10	0.23	0.25	0.17	0.16	0.12
Trade *(of which)*	**0.00**	**0.01**	**0.05**	**0.12**	**0.17**	**0.16**	**0.13**	**0.16**
Wholesale	-0.01	0.00	0.04	0.10	0.08	0.07	0.09	0.05
Retail	0.01	0.02	0.05	0.13	0.24	0.22	0.16	0.26
Finance, Insurance, Real Estate	0.00	0.01	0.02	0.04	0.07	0.06	0.05	0.00
Services *(of which)*	**0.02**	**0.03**	**0.06**	**0.15**	**0.27**	**0.21**	**0.12**	**0.10**
Business services	0.02	0.03	0.05	0.14	0.23	0.12	0.01	-0.05
Education	0.00	0.00	0.00	0.00	0.00	0.00	-0.04	-0.08
Health & social	0.01	0.01	0.02	0.06	0.11	0.11	0.09	0.13
Accommodation & food	0.03	0.05	0.10	0.26	0.44	0.38	0.28	0.25
Recreation & amusement	0.01	0.04	0.07	0.19	0.34	0.34	0.24	0.24
Personal	0.01	0.02	0.04	0.10	0.21	0.16	0.07	0.08
Total Nonbusiness *(of which)*	**0.00**	**0.00**	**0.00**	**0.01**	**0.03**	**0.02**	**0.02**	**0.03**
Services	0.00	0.01	0.01	0.03	0.05	0.05	0.04	0.06
Public administration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2002	2003	2004	2005	2006	2007	2008	2008-25
Employment of seclected industries				Impact				Avg Impact
Total Economy	**102**	**205**	**471**	**1,206**	**1,966**	**1,765**	**1,273**	**1,004**
Total Business	**97**	**195**	**451**	**1,148**	**1,861**	**1,666**	**1,194**	**866**
Manufacturing, Durables	6	10	28	72	96	45	-46	-150
Manufacturing, Nondurables	4	8	18	42	60	39	5	-19
Construction	-1	1	6	18	38	62	89	-6
Transportation	5	10	38	96	132	109	91	62
Pipeline	0	0	0	0	0	0	0	0
Communications & Utilities	0	3	9	25	34	46	46	31
Trade	22	52	128	334	581	601	514	684
Finance, Insurance, Real Estate	3	6	12	27	45	43	28	-1
Services *(of which)*	**46**	**87**	**166**	**428**	**738**	**626**	**414**	**294**
Business services	9	14	22	57	88	31	-29	-112
Accommodation & food	32	60	121	313	524	460	350	309
Recreation & amusement	1	2	3	8	13	12	7	-1
Personal	2	6	10	24	65	74	46	33
Total Nonbusiness	**5**	**10**	**20**	**58**	**105**	**99**	**79**	**138**

The Impacts of the AHPP on the Yukon Economy

Working Paper No. 7.1.2

March 2002

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Informetrica
Limited

7.1.2 The Impacts of the Alaska Highway Pipeline Project on the Yukon Economy

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1 Introduction

This working paper reports on possible implications for the Yukon from the proposed Alaska Highway Pipeline Project (AHPP). The Informetrica Model (TIM[1]) and the Regional-Industrial Model (RIM[2]) were used to provide both national and provincial base and impact cases while the Territorial Model (TER) was used to distinguish the Yukon from the broader classification of "The Territories" in RIM. Two impact scenarios are considered and contrasted against the most recent national and provincial outlooks by Informetrica Limited. The scenarios are:

Scenario 1: There is no change in fiscal policy at any level of government. Consequently, increased revenue relating to the AHPP goes directly into debt reduction (though the Yukon currently has no debt) or acquisition of financial assets.

Scenario 2: The Federal government recycles the gains from personal and corporate income tax revenue back to the source by lowering tax rates. This is achieved using three specific techniques: a lower Employment Insurance (EI) contribution rate, and keeping both federal business tax revenue and federal personal income tax revenue equal to the base.

1.1 Report Language

Spending on the development and operations of the AHPP will directly and indirectly impact many dimensions of the Yukon economy. To analyse these impacts, we prepare a **Base Case** forecast of the territorial economy in which the project is not undertaken, followed by multiple **Impact Cases** of the economy, in which the pipeline is developed and operated under different assumptions. We report only to the extent to which these impact cases deviate from the base case.

The "impact" is reported in both level and percentage terms, providing two indicators of significance. In this paper, impacts on economic activity, indicated by Gross Domestic Product (GDP), are reported in percentage terms. Employment impacts are primarily looked at in level terms, focusing on the net amount of jobs created.

For the purpose of communicating our results, we talk about three different types of effects: direct, indirect and induced. Direct effects are usually derived from an analysis of the projects proposed or may be otherwise assumed from related "micro" analysis. For the AHPP, industries that provide the resources for the pipeline construction are directly impacted by the capital investment, and the pipeline transportation industry is directly impacted by the operation of the pipeline. Indirect effects are defined by the interrelationships between industries; for example, the construction industry requires the services of other industries that provide building materials, transportation, etc., which in turn require the services of other industries. Finally, increased economic activity from a project, and hence increases in personal and business income, will

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[1] A more detailed description of TIM is available in: National Impact of AHPP, Informetrica Limited, Working Paper 6.1.1, March 2002.

[2] A more detailed description of RIM is available in: Provincial Impacts of AHPP, Informetrica Limited, Working Paper 7.1.1, March 2002.

"induce" further consumer and business spending. Note that although the construction of the AHPP may indirectly spur on additional projects or change government spending patterns, those details would not be captured by the TER model. These topics are covered in separate papers and referenced throughout the paper.

The forecast has been divided into two major phases, a construction phase from 2002-07, and an operation phase from 2008-25. The construction phase is considered "completed" once the flow of gas commences near the beginning of 2008. Early planning stages for construction occur from 2002-04 while physical construction of the line commences from 2005-07. Once the operations phase has begun in 2008, some direct construction does continue as compressor and meter stations come online incrementally until 2012. After this period, direct employment would only include maintenance-related positions.

1.2 Territorial Impacts

To better understand the differences between each of the specific territories in Canada, a Territorial Model (TER) was constructed that would allow for a further disaggregation of the values reported in the Regional-Industrial Model (RIM). In RIM, both the Yukon and the Northwest Territories (as defined under its old definition that includes Nunavut) are simply considered under the homogeneous heading of the "Territories". With this new model, the Yukon can now be separated out from its territorial counterparts and analyzed uniquely.

The TER model is derived from a top-down allocation of the provincial forecast provided by RIM, using regional economic measures. Industrial employment shares for each individual territory are used to allocate RIM's aggregation of "all territories" to Nunavut, the Northwest Territories or the Yukon. This is done for both employment and Gross Domestic Product (GDP) with the assumption that productivity is constant for any given industry in all three "Territories". Investment shares were determined with consideration to investment paths established in the last five years of known data. Major investment projects (as defined by Informetrica's Canadian Capital Projects[3]) were incorporated separately and to their specific region of construction. Population shares were determined for specific age groups and extended using forecasted demographic data from RIM. Income data were assigned to each region by using the last known shares. It should be noted that some of the "territories" detail available in RIM could not be distinguished at a regional level due to an absence of meaningful data required to make specific territory distinction. However, the vast majority of data surrounding GDP, employment, investment, demography, and incomes does exist in TER.

For each of the scenarios defined in the previous section, particular care was needed to ensure the impact itself was being assigned to the correct territory. This was not as straight forward as assigning the entire impact to the Yukon since indirect and induced effects would disappear from both Nunavut and the Northwest Territories. Therefore, direct employment numbers were calculated and used to infer how much remaining indirect and induced employment could then be shared out by industry to each of the territories. Finally, growth in some income areas and industries were determined endogenously using the TER model itself. This is not unlike how RIM equations work in determining similar growth across the provinces.

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[3] Informetrica Limited produces an inventory of major investment plans known as Canadian Capital Projects (CCP). In the Yukon, specific investment profiles of $10 million or more are monitored and updated monthly.

1.3 Base Case Prospects[4]

	2001	2002-04	2005-07	2008-12	2013-17	2018-22	2023-25
	Average Annual Rates of Growth						
Gross Domestic Product	2.1	3.0	2.5	1.5	1.5	1.8	1.5
Demographics							
Population	1.1	1.0	0.8	0.7	0.5	0.4	0.2
Employment	-2.7	1.5	0.8	-0.3	-0.2	0.2	0.1
GDP($86)/employed worker	4.9	1.4	1.6	1.8	1.7	1.6	1.4
Investment							
Nonresidential Structures	4.5	0.9	3.8	1.5	0.6	2.0	2.0
Machinery and Equipment	-2.4	7.0	3.9	6.4	4.3	6.9	6.6
Other Indicators							
Real Personal Disposable Income	2.5	5.1	2.6	0.2	0.3	0.4	0.2

The Yukon is expected to perform quite well over the near term. Growth in transportation and storage as well as retail trade push for solid gains in 2002. From 2002-04, strength in communications, utilities, and accommodations and food lead to a steady overall GDP growth of roughly 3.0 per cent. Throughout the medium term, growth is expected to lag national levels as services and retail trade perform poorly. During the long term, expansion is more in line with the rest of the nation at around 1.6 per cent.

Resource-based industries in the Yukon are primarily in metal mining. Recently there has been a dramatic drop in mining output with the closure of both Faro and Brewery Creek. This leaves only small seasonal placer gold operations producing within the territory. However, we believe that the current level of mining production is too low to be a reasonable assumption over the course of the forecast period. Carmacks Copper, Minto, as well as the United Keno Hill Mine could potentially be operational in the next few years along with many other projects that are currently on hold due to low commodity prices. We have assumed that one of these mines (or one of an equivalent size, roughly 80 employees) is likely to come online and that the share of mining in the territory will then stay relatively constant. This bodes well for the Yukon as metal mining is expected to see an annual average of 4 per cent growth over the course of the forecast.

Strength in transportation and communications and utilities, both roughly 9.0 per cent of the territorial economy, contribute growth of about 3.0 per cent from 2004 throughout the forecast. This helps to keep business-related services up as sectors such as finance and retail trade fall behind the national pace. Accommodations and restaurants grow quite strongly over the short term but trail off past 2005 as slowing income growth leads to a reduction in tourism. The accommodations and restaurants sector is particularly important to the Yukon, accounting for nearly 7.0 per cent of its economy.

At the time of the forecast, few major capital projects were anticipated to take place in the Yukon. This led to a weakness in the projected construction GDP during the short term. Since then, some major project announcements such as a new high school in Whitehorse ($10.3 million) as well as heavy road construction throughout the territory ($54.3 million) have given us reason to believe that growth in construction GDP is perhaps too low during the short term. A short-lived recovery in construction is anticipated in 2007 as the result of increased investment in non-residential structure. However, the industry then falls stagnant for the remainder of the outlook.

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[4] For full base case details see: Appendix A, Tables 1 & 2.

Almost 25 per cent of employment in the Yukon is in public administration. This is not expected to change dramatically over the course of the outlook as stable employment growth is expected in the public sector.

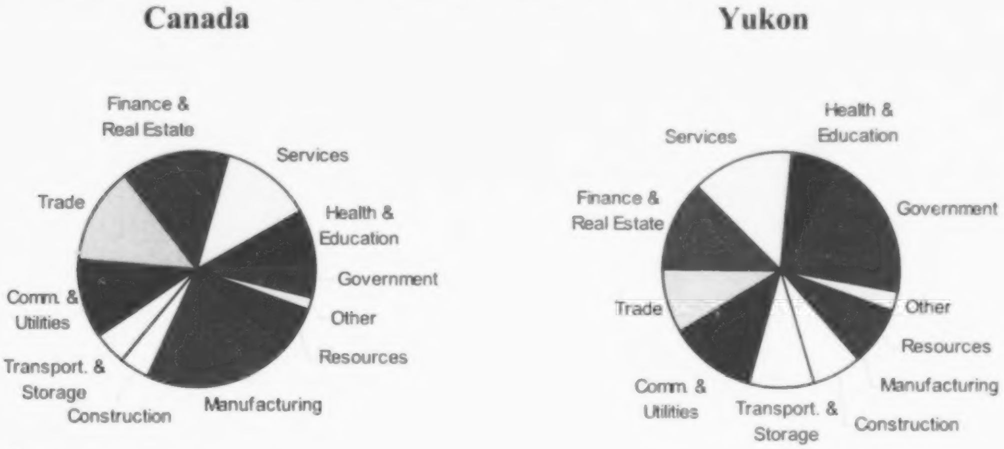
After quite a few years of persistent decline, the population is expected to grow at 1 per cent during the near term, slow to about 0.5 per cent through the medium term and taper off to almost no growth towards 2025. Employment gains are minimal throughout the forecast as the main GDP expansion comes in highly productive industries. After the near term, employment growth, though weak, is in line with the national pace.

2 The Impact Scenarios

2.1 Economic Structure of the Yukon

The allocation of the impact provided by RIM is determined by the underlying structure of the Yukon economy. All direct effects are assigned specifically to the Yukon but all indirect and induced effects are placed where their corresponding industries are located. Therefore, the induced and indirect effects for any given industry will go to each region based on its share of that industry.

Figure 1: Economic Structure of the Yukon, 2001



The Yukon

- The construction industry is directly impacted over the course of the construction phase and from 2008-12 as compressor stations come on line. Assumptions regarding the investment path of the pipeline are critical in determining the impact within the industry for each given year. In 2001, construction accounted for 7 per cent of the Yukon's economy. During peak years of construction, this share is expected to rise to almost 20 per cent.

- Manufacturing accounts for less than 1 per cent of territorial GDP. This suggests very high leakages with almost all spending on construction material and machinery going to suppliers elsewhere in Canada.

- The services sector in the Yukon is quite significant and accounts for roughly 15 per cent of its economy. This is unique to the Yukon as this sector in both Nunavut and the Northwest Territories accounts for less than 8 per cent of total GDP. This bodes well for potential opportunities resulting from indirect and induced effects, as personal services are not easily imported from other regions.

- Health, education, and public administration comprise over 25 per cent of the Yukon economy. This is enormous when compared to a 12 per cent Canadian average. Over the course of the outlook, the impact in these areas is not expected to be particularly significant. Even modest gains in these sectors will be dependent on how many workers are retained in the territory once pipeline construction has been completed.

- Transportation and storage is also a relatively large part of the total economy with roughly a 9 per cent share. With very little manufacturing going on within the territory, the Yukon is heavily dependant on outside supply. Motor vehicles are the primary method of transportation, accounting for nearly three-quarters of the total. This sector will be directly impacted during the construction phase.

- Currently, there are no pipelines operating in the Yukon except the very short section at the Kotaneelee field. Once operations for the AHPP begin in 2008, pipeline transportation will be directly impacted, contributing to over 15 per cent of the Yukon's GDP.

2.2 Impact Outlooks

2.2.1 *Outlook for Scenario 1*

Figure 2: Major Indicators for Scenario 1, Yukon

	2002	2003	2004	2005-07	2008-12	2013-20	2021-25
			Average % Impact				
Gross Domestic Product	1.0	1.3	5.3	21.2	27.5	31.8	30.0
Demographics							
Population	0.0	0.2	0.4	0.6	0.6	0.6	0.6
*Employment ('000s)**	*0.2*	*0.2*	*1.1*	*4.7*	*0.7*	*0.9*	*1.1*
GDP($86)/employed worker	-0.4	-0.5	-2.8	-10.7	20.5	23.1	19.3
Investment							
Nonresidential Structures	0.1	0.1	114.9	330.4	3.3	0.8	1.0
Machinery and Equipment	0.5	0.7	31.9	118.7	77.1	2.6	3.8
Other Indicators							
Real Personal Disposable Income	1.1	1.2	3.3	12.3	6.9	7.5	8.0

*For both scenario's, the impact on employment is reported in level terms.

The impact on GDP is expected to average roughly 1 per cent as early preparations for the pipeline get underway and 5 per cent in 2004 when actual investment in the pipeline begins. During the construction of the pipeline from 2005-07, an average impact of roughly 20 per cent is anticipated. Over the course of the operations phase, the impact continues to grow as induced effects lead to a 30 per cent impact through the remaining years of the forecast. Employment is expected to see similar, very strong gains from 2005-07 with nearly 5,000 workers hired during the prime years of construction. However, once the pipeline reaches the operations phase, only a 6 per cent employment impact is expected. This amounts to roughly 700 additional jobs annually from 2008-12 with induced effect bringing this number to over 1,000 by 2025. In terms of productivity, output per employee falls towards the peak years of construction as many of the industries with relatively large impacts (particularly on the employment side) are also lower productivity industries, such as services and trade. Because the Territories have a unique industrial mix with very little in terms of manufacturing, the overall appearance is that of productivity loss, while in fact, at the individual industry level, productivity is being maintained. In effect, this turns out to be a very positive sign for the region, as it indicates employment gains. Real disposable incomes are expected to see the largest impact throughout the construction period, with smaller, but significant gains during the operations phase. Population assumptions have been kept reasonably stable with an impact of roughly 0.6 per cent from the construction period on[5].

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[5] For full details of Scenario 1 see: Appendix A, Tables 3 & 4.

2.2.2 *Outlook for Scenario 2*

Figure 3: Major Indicators for Scenario 2, Yukon

	2002	2003	2004	2005-07	2008-12	2013-20	2021-25
			Average % Impact				
Gross Domestic Product	1.3	2.2	6.9	29.3	34.7	37.3	37.3
Demographics							
Population	0.0	0.2	0.4	0.6	0.6	0.6	0.6
*Employment ('000s)**	*0.2*	*0.4*	*1.3*	*5.9*	*1.7*	*1.3*	*1.7*
GDP($86)/employed worker	-0.5	-0.7	-3.1	-10.7	19.3	23.9	20.7
Investment							
Nonresidential Structures	0.1	0.2	115.1	331.4	4.3	1.9	2.7
Machinery and Equipment	0.6	1.1	32.6	122.3	80.0	5.2	7.7
Other Indicators							
Real Personal Disposable Income	1.4	2.2	4.9	20.2	14.1	12.9	15.1

*For both scenario's, the impact on employment is reported in level terms.

The impact on GDP in Scenario 2 is significantly stronger throughout the outlook. An average increase of 29 per cent is expected during the construction period and 37 per cent for the majority of the operations phase. Compared to Scenario 1, this amounts to an additional impact of 7 percentage points in Scenario 2. Gains in both employment and real disposable income are also significantly higher in Scenario 2[6].

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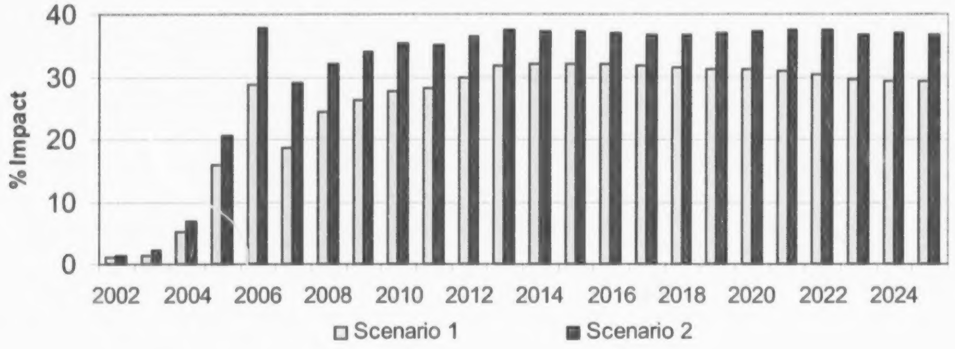
[6] For full details of Scenario 2 see: Appendix A, Tables 5 & 6.

2.3 Major Indicators

2.3.1 *Gross Domestic Product (GDP)*

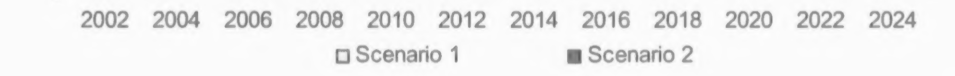
Figure 4: Percentage Impact on Gross Domestic Product



The total impact on territorial GDP is expected to be in the magnitude of roughly 30 and 38 per cent for each respective scenario over the majority of the outlook. In Scenario 2, increased consumer spending resulting from lower tax rates creates the additional impact. During the actual construction of the pipeline, over half of the impact is directly tied to construction GDP. Once the bulk of direct effects relating to construction have ended in 2007, the majority of the impact, roughly 85 per cent, is the result of the introduction of pipeline transportation in the Yukon. Consequently, the total impact on GDP is reasonably stable with the exception of smaller gains during the planning and preparations stage from 2002-04.

2.3.2 *Employment*

Figure 5: Level Impact on Employment (000's)



During the early planning stages of pipeline development, the creation of a few hundred jobs is expected. For the final year of preparation in 2004, employment impacts total over 1,000 workers. The largest gains in employment occur during pipeline construction from 2005-07.

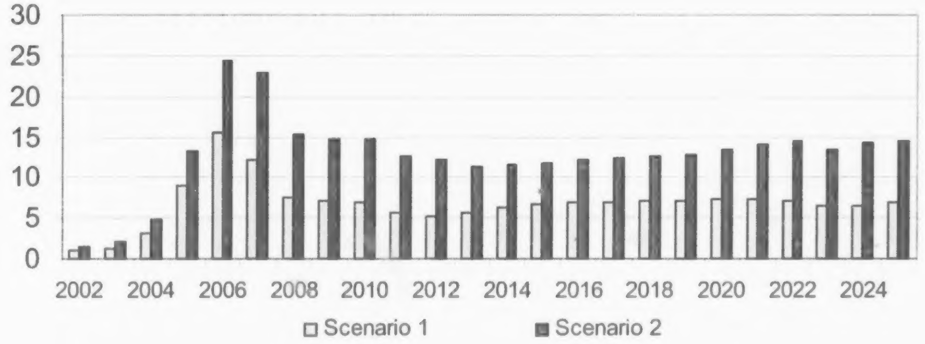
Over this period, construction employment accounts for nearly 75 per cent of the total employment gain in the territory. In terms of magnitude, about 4,000 additional workers are expected in 2005, 7,000 in 2006, and 4,000 in 2007[7] in Scenario 1. For Scenario 2, an additional impact of roughly 1,000 workers each year is expected. From 2008-25, employment numbers for the actual maintenance and operation of the pipeline are quite small. Induced effects drive the majority of this impact across a wide range of industries. During 2008-12, direct construction employment, roughly 20 per cent of the impact, helps provide additional gains as compressor and meter stations are being built. After 2012, induced employment picks up as multiplier effects take hold.

Increased consumer spending in Scenario 2 impacts the construction phase as well as the early operations phase quite strongly. Compared to Scenario 1, the result is an increase of roughly 750 workers in 2005, 1,500 workers from 2006-07 and 1,000 workers out until 2012. For the remainder of the outlook, the employment impact is roughly 60 per cent higher with 1,600 employed.

During the actual construction of the pipeline, the majority of labour is expected to come from outside of the Yukon. As of December 2001, the total number of unemployed in the territory was 1,400. Even if full employment were to be reached, large numbers of outside workers would be needed during the construction phase as well as some possibly during the operations phase.

2.3.3 *Real Disposable Income*

Figure 6: Percentage Impact on Real Disposable Income



The impact on real disposable income is quite significant for the average resident of the Yukon. For the first scenario, percentage impacts total roughly 10, 15 and 12 per cent increases over the 3 years of direct pipeline construction, 2005-07. After this period, the impacts remain relatively stable at 6-7 per cent higher than the base case with a slight decline in 2012.

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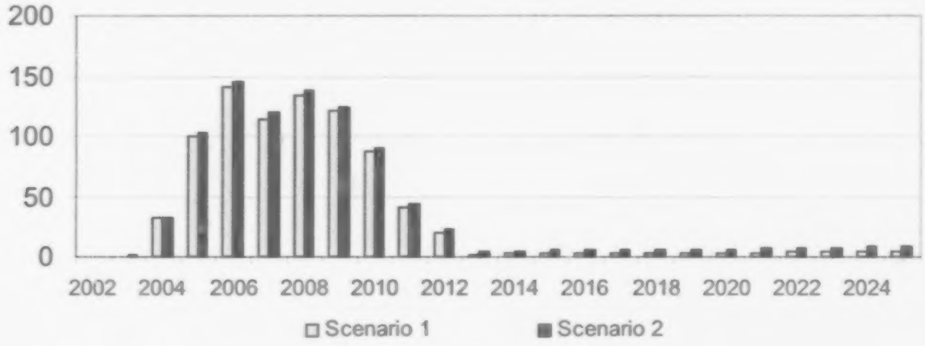
[7] Full details on employment dimensions see: Human Resource Dimensions of the AHPP, Informetrica Limited, Working Paper 7.4.1, March 2002.

In the case of Scenario 2, the percentage impacts is over double of those estimated for Scenario 1 for almost all years following the initial planning and preparations stage of 2002-04. This speaks quite highly for optimizing the welfare of people within the Yukon, bearing in mind that some industries may still be worse off in the case of Scenario 2. From 2008-25, the average impact on real disposable income hovers at approximately 14 per cent.

Initially, these gains in real disposable incomes are the result of increased employment demand within the territory. After direct pipeline construction has been completed, wages remain strong as the result of increased revenue from pipeline transportation services. In Scenario 2, increased induced effects translate into upward pressure on disposable incomes as demand for employment increases.

2.3.4 *Investment in Machinery and Equipment*

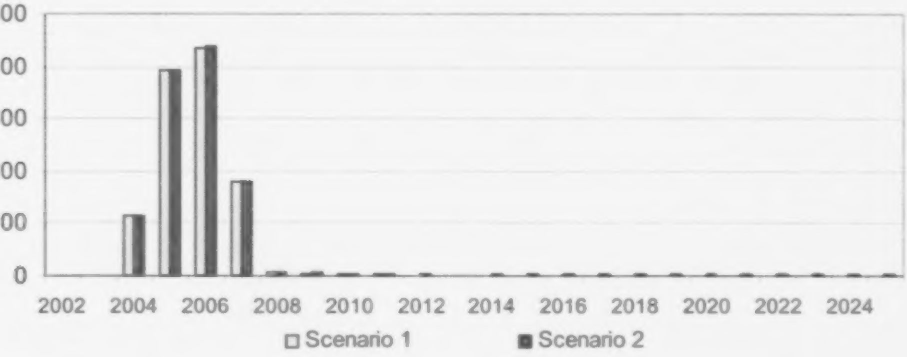
Figure 7: Percentage Impact on Machinery and Equipment



Almost all of the impact on machinery and equipment investment is related directly to the pipeline as well as the construction of compressor and meter stations from 2008-12. The impact is quite similar in either scenario as the stronger induced effects in Scenario 2 amount to an additional 5 per cent impact on machinery and equipment investment throughout the outlook. Post 2012, only tiny induced effects remain.

2.3.5 *Non-Residential Structures Investment*

Figure 8: Percentage Impact on Non-Residential Structures



In either scenario, identical assumptions regarding the physical specifications of the pipeline lead to matching investment patterns in non-residential structures throughout the construction period. In 2004, purchasing of the pipeline begins with an impact on investment of over 100 per cent. During the construction phase, the majority of the investment occurs in 2005 and 2006 with impacts of roughly 400 per cent. By 2007, the impact on investment has fallen to 200 per cent as the majority of the pipeline has already been purchased and only closing construction needs remain. Over the course of the operations phase, impacts on investment are small and in the 0-5 per cent range.

2.3.6 *Population*

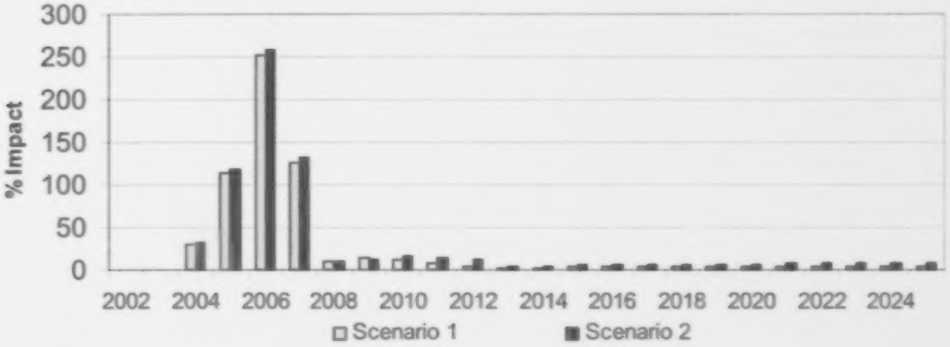
Population assumptions about worker retention within the Yukon are identical for both scenarios. In impact terms, an introduction of 50 additional people into the Yukon in 2003 is followed by a climb to 200 permanent residents by 2008. After this point, no new residents are added for the remainder of the outlook. Stronger population growth than assumed in either of our impact cases would create an additional need for infrastructure within the territory. This could strongly influence population sensitive areas such as housing, health, education, and other infrastructure-related sectors.

Sector Detail

Impact results by sector are reported for both scenarios. Significant sectors will be discussed in some detail with remaining sectors being mentioned briefly under the heading "others".

2.3.7 *Construction*

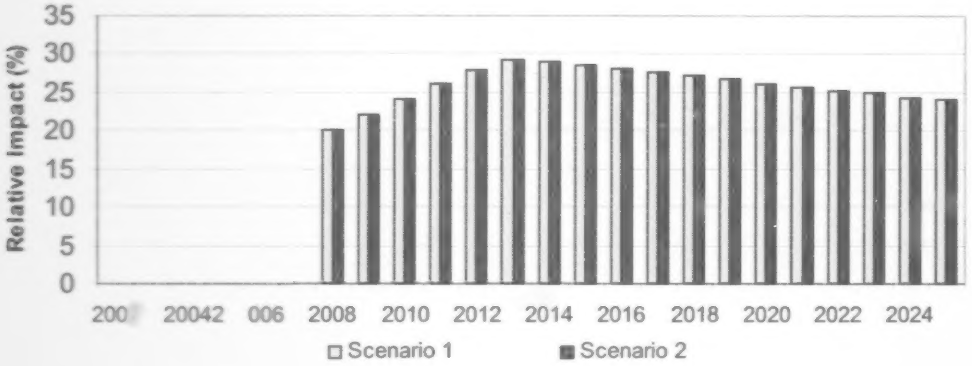
Figure 9: Percentage Impact on Construction GDP



The percentage impact on construction GDP begins in 2004 as physical preparations for pipeline construction get underway. During the actual construction of the line, 2005-07, percentage impacts range from roughly 100 per cent in year one, 250 per cent in the peak year of 2006, and 150 per cent during the final year of construction. In employment terms, this amounts to roughly 2,500, 5,000 and 3,000 workers in each respective year of construction. From 2008-12, some direct effects remain as compressor and meter stations reach completion. After this period, induced effects take over but are small at roughly 3 per cent in Scenario 1 and 6 per cent in Scenario 2. Other than this difference between induced effects, Scenarios 1 and 2 are almost identical during the construction phase.

2.3.8 *Pipeline Transportation*

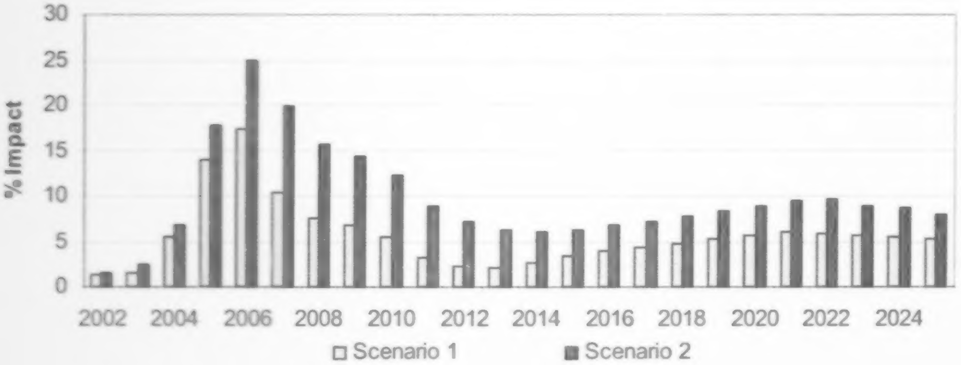
Figure 10: Relative Impact of Pipeline Transportation GDP on Total Yukon Economy



With the introduction of pipeline transportation in the Yukon, a large impact on the total economy is anticipated once pipeline operations are underway. This impact will be in the magnitude of an additional 25 per cent in total GDP each year. Since the same pipeline is being built in either scenario, no distinction in pipeline transportation arises between the two. The flow of natural gas is expected to begin on November 1st of 2007 at 2.5 billions of cubic feet (Bcf) per day providing a tiny initial impact in 2007. The impact peaks in 2013 as flows are increased by 0.3 Bcf per day each year until reaching a final flow rate of 4.0 Bcf per day in late 2012. In employment terms, very few jobs are directly related to the large GDP gains in pipeline services. An additional 80 workers are expected to be needed in 2008 for monitoring and maintaining the pipeline. This will increase to roughly 170 workers after 2012.

2.3.9 *Transportation*

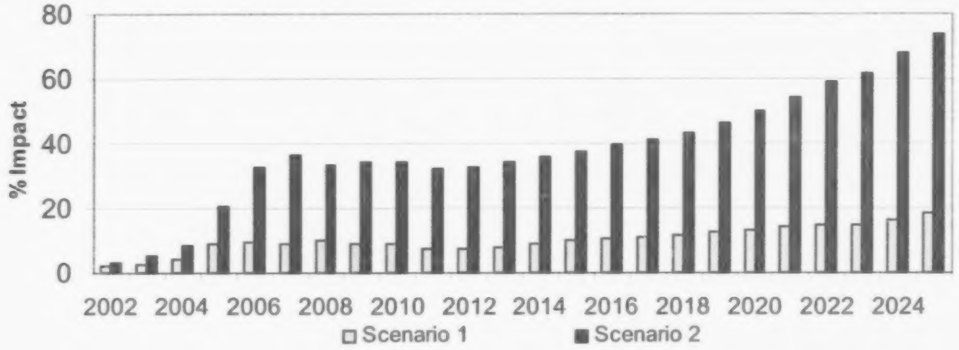
Figure 11: Percentage Impact on Transportation GDP



During the initial planning and preparation stages of the pipeline, the transportation sector sees some impact. However, the majority of the gains occur during the actual construction of the pipeline with an impact in the magnitude of 15 per cent in 2005. During 2006-07, larger induced effects emerge in Scenario 2 and the impact on the transportation industry is significantly larger than in Scenario 1. This trend persists well into the operations phase where induced effects have a percentage impact of roughly 5 per cent in Scenario 1 and 8 per cent in Scenario 2.

2.3.10 *Trade*

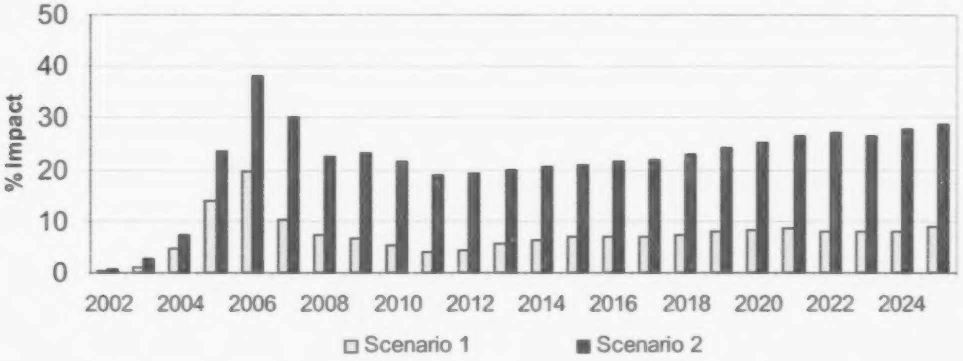
Figure 12: Percentage Impact on Trade GDP



Trade is very strongly influenced by consumer spending. As a result, the additional income generated from the pipeline creates strong induced effects throughout this sector. Higher disposable incomes resulting from the significantly lower effective tax rates in Scenario 2 lead to much larger overall impacts. In fact, induced effects create an additional impact of roughly 25 per cent from 2006-17 and multiplier effects in the economy increase this percentage to an additional 50 per cent by 2025. In employment terms, this leads to difference of roughly 400 jobs during the early part of the operations phase (600 employed in Scenario 2 as compared to 200 in Scenario 1) and amounts to a difference of over 1,000 workers by 2025.

2.3.11 *Communications and Utilities*

Figure 13: Percentage Impact on Communications and Utilities GDP



The impact on these two sectors is mostly from broadcasting and water utilities. Both of these industries are highly sensitive to increased demand for infrastructure, both by people and businesses. Direct demand for water utilities during pipeline construction, accompanied by a small but stable increase in the population, fuels additional growth in this area. Similarly, increased demand for communications infrastructure provides for a large impact in broadcasting.

There are many possibilities for post-pipeline developments within the Yukon, many of which could have large impacts on utility industries. Most notably, the potential for a gas distribution system in Whitehorse would give rise to additional GDP growth out past 2007. Similarly, increased energy-intensive mining and smelting operations, the result of lower energy costs, could lead to additional demand for electricity and electrical infrastructure in the territory[8].

As a whole, the communications and utilities sector is expected to experience a peak impact of 20 per cent in Scenario 1 and nearly 40 per cent in Scenario 2. Long-term induced impacts are likely to be in the magnitude for 8 per cent and 26 per cent for their respective cases.

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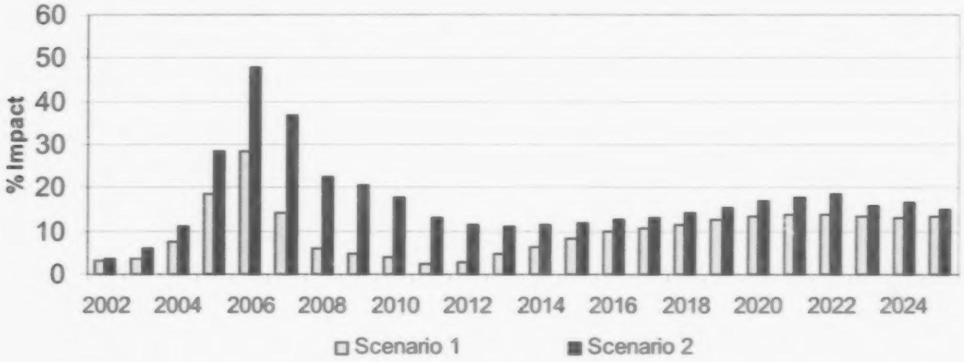
[8] Full details of post-pipeline development impacts is available in: Pipe Dreams: post-pipeline development impacts, Informetrica Limited, Working Paper 4.2.1, March 2002.

2.3.12 *Services*

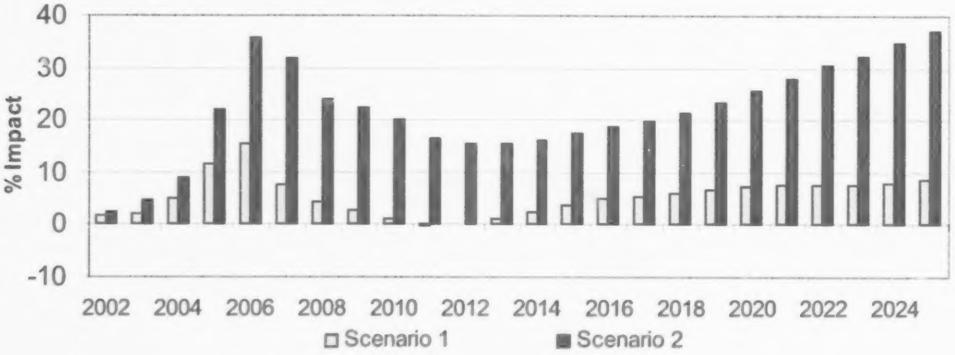
Figure 14: Percentage Impact on Services GDP



The services sector, like trade, is highly responsive to increases in consumer spending. Spending is expected to increase quite rapidly during direct construction as the result of both improved real disposable incomes for all Yukoners as well as spending from the large numbers of transient workers on the pipeline. However, it should be noted that the bulk of these workers' income is expected to be remitted outside of the territory. Further out in the forecast, strong consumer spending continues purely as the result of improved regional wages.

Strong percentage impacts are persistent throughout the forecast period as final induced effects end up in the magnitude of 15 per cent. Here, lower effective tax rates in Scenario 2 do not create significantly stronger induced effects towards the tail end of the outlook. The percentage impact peaks in 2006 at 30 per cent in Scenario 1 and nearly 50 per cent in Scenario 2. This generates impacts of 1,000 workers and 1,600 workers, respectively. However, post 2013, employment in Scenario 2 is actually significantly lower than in Scenario 1. This is the result of increased price inflation, a consequence of the rise in consumer spending, negatively impacting the price-sensitive manufacturing sector, which in turn hurts business services. Business services, though a substantial part of overall services, are not a large part of the Yukon's total economy at nearly 3 per cent.

Figure 15: Percentage Impact on Accommodations and Food GDP



Accommodations and food, one of the relatively more important service industries in the Yukon, does see sizable impacts resulting from the construction of the AHPP. In Scenario 1, the industry is anticipated to grow at an additional 15 per cent during the peak year of construction. In employment terms, nearly 300 additional workers will be required as increased spending within the territory by pipeline-related workers creates additional demand. By 2011, the direct effects of increased spending have disappeared causing little-to-no impact over the next few years. Past 2013, induced effects from increased wages provide for a 7 per cent impact.

In Scenario 2, the decline in effective tax rates and increase in personal disposable incomes has a profound impact on the magnitude of demand for accommodations and food. In 2006, the percentage impact on accommodations and food is over twice as large at roughly 35 per cent. Unlike Scenario 1, once the direct pipeline construction has been completed, induced effects keep employment at an additional 200 workers. As we move out to 2025, these effects become even stronger, bringing the percentage impact on GDP up to 35 per cent and creating 400 new jobs.

In terms of indirect and induced effects, the education sector is not expected to see anything more than a mild impact as expansion tends to be fuelled by population growth. However, direct effects resulting from the necessity to provide pipeline training, either "just in time" or other, will lead to increased spending during or before the early stages of pipeline construction. Places like Yukon College expect to double their capacity and will require increased infrastructure, as temporary as it may be[9]. In this forecast, no major assumptions about retaining a high number of workers and their families have been considered. If the population of the Yukon were to grow substantially as a result of the pipeline, the impact on education would be more significant.

There is a mild impact in health as additional workers from outside of the territory are expected to provide increased demand for physicians.

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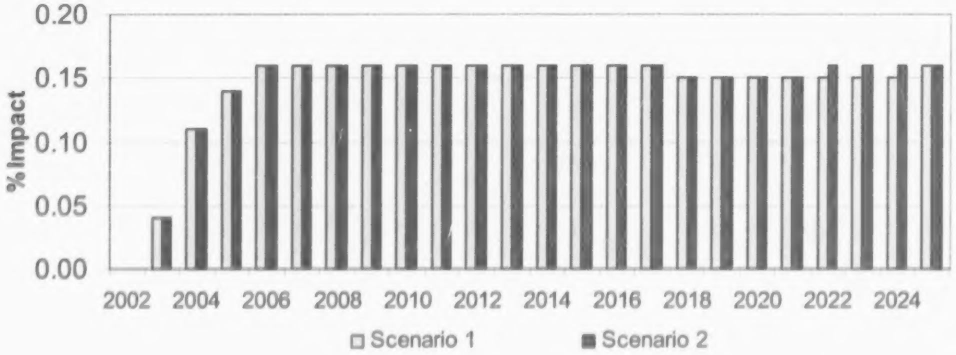
[9] Full details of human resource dimensions are available in: Human Resource Dimensions of the AHPP: Yukon, Informetrica Limited, Working Paper 7.4.1, March 2002.

Impacts on other services follow a similar pattern as accommodations and food with even larger percentage impacts. Induced effects from 2012-25 provide an average impact of roughly 20 per cent and 45 per cent in each respective scenario.

2.3.13 *Public Administration*

Figure 16: Percentage Impact on Public Administration GDP



Throughout the entire course of the forecast, the construction of the AHPP has little impact on public administration GDP[10]. This is in part because government behaviour is determined by the underlying assumptions made in Scenario 1 and 2. In either scenario, additional revenue generated by the pipeline is put towards either the acquisition of additional assets or declining effective tax rates. As a result, there is no distinction between the two in terms of revenue being used to expand the relative size of the public sector. Because the behaviour of the public sector is in part self-determined, the government of Yukon could choose to act differently if it is deemed that additional spending on infrastructure is required. This is likely to be at least part of the story as increased spending could show up in government related areas such as health, education, justice and regulatory planning. However, it is not expected that this will require a large expansion in public administration itself.

2.3.13.1 Other Sectors

Manufacturing, though less than 1 per cent of the Yukon's economy, does see a strong positive impact in Scenario 2. This is quite a different story from many of the other provinces in Canada as what little manufacturing the Yukon has, tends to be in sectors that will benefit strongly from the pipeline. In Scenario 1, manufacturing has milder, but positive gains.

The mining sector sees no real direct or induced effects from the construction of the AHPP itself. However, lower energy prices resulting from easy access to natural gas may lower input costs sufficiently to spark some growth in this area. Here potential opportunities could significantly change the outlook on mining over the course of the forecast[11]. Similarly, ancillary effects such as increased traffic flows within the territory is likely to put additional demand on quarries as highway resurfacing takes place[12].

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[10] Full details of public finances are available in: Government Revenue and Expenditure Model: Yukon, Informetrica Limited, Working Paper 7.2.5, March 2002.

Finance is expected to see very modest gains during the majority of the outlook. Because of its strong ties to business services, small negative impacts are induced out towards 2025 in Scenario 2. Scenario 1 on the other hand, has a small positive impact throughout the forecast.

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[11] Full details of post-pipeline development in mining and smelting are available in: Pipe Dreams: post-pipeline development impacts, Informetrica Limited, Working Paper 4.2.1, March 2002.

[12] Full details of highway resurfacing are available in: Ancillary Spending, Informetrica Limited, Working Paper 3.2.1, March 2002.

3 Summary

In Scenario 1, where there is no change in fiscal policy at any level of government, the total impact on territorial GDP is expected to be in the magnitude of roughly 30 per cent over the majority of the outlook (from roughly the peak year in 2006 out to 2025). In Scenario 2, lower effective tax rates lead to an additional impact of roughly 8 per cent over the same period.

From 2005-07, gains in GDP are driven by the increased construction required to build the pipeline. After this point, the addition of pipeline transportation to the Yukon's economy along with some less significant induced effects keeps the impact on GDP strong.

Employment impacts do not follow the same pattern as GDP. The largest impacts occur from 2005-07 as the actual construction of the pipeline takes place. In Scenario 1, between 2005-07, additional employment of roughly 3,500, 7,000, and 4,000 workers are anticipated for each respective year. In Scenario 2, a further 1,000 workers or so will be needed for each year of construction. After construction is completed in 2007, induced effects create an additional 1,000 jobs in Scenario 1 and nearly 2,000 jobs in Scenario 2 to 2025.

The possible complication of labour shortages, especially during the peak year of construction in 2006, could change the nature of these employment patterns quite severely. The result would most likely be either a longer construction period or a more balanced construction path.

Real disposable incomes are expected to follow a similar pattern as employment with strong gains during the construction period of roughly 15 per cent in Scenario 1 and 20 per cent in Scenario 2. From 2008-25, the impact on disposable incomes stays quite strong at roughly 15 per cent

Population is assumed to increase by approximately 0.6 per cent over the long term. This amounts to roughly 200 additional residents in the Yukon.

4 Appendix A: Summary Tables

Table 1: Major Indicators, Base Case, Levels

Levels	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Gross Domestic Product	858	883	904	938	971	990	1009	1024	1037	1051	1069	1085
Demographics												
Population	31.0	31.3	31.6	31.9	32.2	32.4	32.7	32.9	33.2	33.4	33.6	33.8
Employment ('000s)	12.3	12.5	12.5	12.8	13.0	13.0	13.2	13.1	13.1	13.0	13.0	12.9
GDP($86)/employed worker	69919	70925	72378	72989	74740	75869	76624	78296	79431	80633	82265	83800
Investment												
Nonresidential Structures	106	107	107	108	110	112	121	123	126	130	131	131
Machinery and Equipment	123	134	141	150	156	161	168	181	196	211	223	230
Other Indicators												
Real Personal Disposable Income	5.8	6.2	6.5	6.7	7.1	7.2	7.3	7.3	7.3	7.3	7.3	7.4

Levels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Gross Domestic Product	1097	1110	1126	1145	1167	1191	1213	1233	1255	1276	1302	1317	1336
Demographics													
Population	34.0	34.1	34.3	34.5	34.7	34.8	35.0	35.1	35.2	35.3	35.4	35.5	35.5
Employment ('000s)	12.9	12.9	12.8	12.8	12.8	12.8	12.8	12.9	12.9	12.9	12.9	13.0	13.0
GDP($86)/employed worker	84968	86226	87732	89425	91235	92992	94452	95809	97351	98907	100566	101558	103096
Investment													
Nonresidential Structures	130	131	133	134	135	137	140	142	145	149	153	156	158
Machinery and Equipment	233	237	247	263	284	313	343	368	384	397	416	443	481
Other Indicators													
Real Personal Disposable Income	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.6	7.6	7.6	7.7	7.7	7.7

Table 2: Major Indicators, Base Case, Annual Growth Rates

Average Annual Rates of Growth	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Gross Domestic Product	2.1	2.9	2.4	3.7	3.5	2	1.9	1.5	1.3	1.4	1.7	1.5
Demographics												
Population	1.1	1	1	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.5
Employment ('000s)	-2.7	1.5	0.3	2.9	1.1	0.5	0.9	-0.6	-0.2	-0.2	-0.3	-0.4
GDP($86)/employed worker	4.9	1.4	2	0.8	2.4	1.5	1	2.2	1.5	1.5	2	1.9
Investment												
Nonresidential Structures	4.5	1.4	-0.1	1.3	1.3	1.9	8.4	1.6	2.3	3.2	0.4	0.2
Machinery and Equipment	-2.4	9.2	5.1	6.5	4.2	2.8	4.8	7.2	8.3	7.7	5.8	3.2
Other Indicators												
Real Personal Disposable Income	2.5	6.2	4.8	4.3	6	1	0.9	0.2	0	-0.3	0.7	0.3

Average Annual Rates of Growth	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Gross Domestic Product	1.1	1.2	1.5	1.7	1.9	2	1.8	1.7	1.8	1.7	2	1.2	1.4
Demographics													
Population	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2
Employment ('000s)	-0.3	-0.3	-0.3	-0.2	-0.1	0.1	0.3	0.2	0.1	0.1	0.3	0.2	-0.1
GDP($86)/employed worker	1.4	1.5	1.7	1.9	2	1.9	1.6	1.4	1.6	1.6	1.7	1	1.5
Investment													
Nonresidential Structures	-0.4	0.2	1.7	0.8	0.8	1.6	1.8	1.7	2.3	2.4	2.6	2.1	1.2
Machinery and Equipment	1.1	1.8	4.4	6.3	8.2	9.9	9.6	7.3	4.5	3.3	4.7	6.6	8.6
Other Indicators													
Real Personal Disposable Income	0	0.1	0.4	0.6	0.5	0.5	0.5	0.3	0.4	0.3	0.5	0.3	-0.1

Table 3: Gross Domestic Product, Percentage Impact, Scenario 1

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Total Economy	1.0	1.3	5.3	16.0	28.8	18.7	24.5	26.4	27.7	28.3	29.9	31.8	32.0	32.2	32.1	31.7	31.4	31.3	31.1	30.8	30.3	29.7	29.3	29.2
Total Business	1.4	1.7	7.2	21.8	39.2	25.3	33.1	35.6	37.2	38.0	40.0	42.5	42.6	42.7	42.4	41.8	41.3	40.9	40.6	40.1	39.2	38.3	37.8	37.6
Agriculture & Rel. Serv.	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Fishing & Trapping	0.0	0.0	0.0	0.0	-0.1	-0.3	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.3	-0.3	-0.3	-0.3	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3
Logging & Forestry	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mining - Total	0.0	0.1	0.4	0.3	1.0	0.3	0.1	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5
Manufacturing	5.9	6.9	18.2	44.7	57.0	22.1	8.4	8.6	6.7	2.5	3.7	7.2	9.7	11.6	12.5	12.9	13.5	14.3	15.2	15.2	14.1	12.4	11.2	10.9
Construction	0.0	0.0	30.1	113.9	252.7	126.4	10.6	14.5	11.8	7.9	4.1	2.9	2.9	3.1	3.3	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.8	4.0
Trans., Storage & Pipelines	1.3	1.6	5.4	13.9	17.3	43.7	206.2	224.2	241.5	256.8	270.7	279.9	271.8	264.5	257.7	250.5	242.4	234.5	227.3	220.1	213.8	208.4	203.3	194.9
Transportation - Total	1.3	1.6	5.4	13.9	17.3	10.3	7.5	6.8	5.5	3.1	2.3	2.1	2.6	3.3	3.9	4.3	4.7	5.2	5.7	6.0	5.9	5.7	5.5	5.3
Storage & Warehousing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pipelines*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Comm. & Utilities	0.5	0.9	4.5	13.8	19.4	10.2	7.3	6.7	5.4	4.0	4.4	5.5	6.2	6.9	7.1	7.0	7.4	8.0	8.4	8.6	8.1	7.8	8.1	8.9
Communication	0.4	0.9	4.8	14.9	21.2	11.1	7.7	7.0	5.5	4.0	4.4	5.6	6.3	7.1	7.3	7.3	7.7	8.3	8.8	8.9	8.4	8.1	8.4	9.3
Broadcasting	7.3	9.3	21.5	54.6	80.1	41.4	23.6	24.1	22.3	18.2	20.5	25.9	28.2	32.4	34.1	34.8	36.6	39.6	40.5	41.4	40.2	40.0	43.3	47.3
Telecom. Carriers & Others	0.0	0.4	3.9	12.9	18.1	9.3	6.7	5.9	4.4	3.1	3.5	4.4	5.1	5.8	5.9	5.8	6.2	6.8	7.3	7.4	7.0	6.8	7.0	7.9
Postal	0.3	0.6	1.7	3.4	4.4	3.4	3.9	3.7	3.4	2.7	2.7	3.1	3.5	3.7	3.8	3.8	3.8	3.9	4.2	4.2	4.1	3.8	3.7	3.8
Utilities - Total	0.6	0.8	2.6	6.2	6.7	3.8	4.3	4.4	4.4	3.9	4.1	4.5	4.7	4.9	5.0	5.0	5.0	5.1	5.2	5.2	5.1	4.8	4.6	4.6
Electrical Power	0.0	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.7	0.8
Gas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water & Other	9.2	11.1	37.5	89.6	96.0	52.3	58.7	58.9	56.4	48.7	49.8	53.8	56.0	57.3	57.0	55.4	54.6	54.6	55.3	54.4	51.5	47.4	44.5	43.7
Trade	2.0	2.5	4.3	9.0	9.6	9.2	9.9	9.1	8.7	7.3	7.3	8.1	8.7	10.0	10.8	11.2	11.7	12.5	13.3	14.1	14.6	14.8	16.3	18.6
Wholesale	0.0	0.0	0.1	0.4	0.9	0.5	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7
Retail	3.0	3.7	6.3	13.3	14.1	13.7	15.1	13.8	13.4	11.3	11.4	12.8	13.8	16.0	17.4	18.3	19.4	21.0	22.4	24.2	25.4	26.2	29.4	34.1
Fin. Insur., Real Est - Total	1.1	1.3	3.0	7.6	10.6	5.7	3.9	3.9	3.6	2.7	2.5	2.6	2.6	2.7	2.5	2.2	2.0	1.8	1.7	1.5	1.0	0.5	-0.2	-0.6
Finance - Personal	1.7	2.0	4.6	11.6	16.1	8.7	6.0	6.0	5.5	4.1	3.8	4.0	4.1	4.1	3.9	3.4	3.1	2.9	2.7	2.3	1.6	0.8	-0.3	-0.9
Finance - Royalties & Imputed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Community Bus. & Pers. Serv.	3.1	3.7	7.3	18.5	28.5	14.4	6.0	4.8	3.8	2.3	2.9	4.6	6.3	8.4	9.8	10.6	11.5	12.5	13.3	13.8	13.6	13.5	13.0	13.3
Business Services	8.5	9.7	16.6	44.2	74.7	33.1	7.4	6.7	5.7	3.1	5.1	9.4	14.1	18.6	21.9	23.7	25.7	27.6	29.3	29.7	28.4	27.1	23.0	20.6
Education	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Health & Social	0.0	0.3	1.4	4.7	7.9	5.8	4.3	3.9	3.5	3.1	3.2	3.5	4.1	4.6	5.0	5.4	5.7	6.1	6.6	7.0	7.5	7.5	8.8	10.0
Accommodations & Food	1.7	2.1	4.9	11.7	15.6	7.7	4.3	2.6	1.2	-0.2	0.0	1.2	2.3	3.8	4.9	5.5	6.1	6.8	7.3	7.6	7.6	7.5	7.9	8.6
Other Services	3.7	4.9	9.7	25.2	40.5	24.3	11.8	10.9	10.1	8.7	9.3	10.9	12.2	14.0	15.2	15.8	16.7	17.8	18.6	19.3	19.3	19.7	19.7	20.6
Total Nonbusiness	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Comm., Bus. & Pers. Serv.	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Business Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Education	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Health & Social Services	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
Recreation & Amusement	0.0	0.1	0.1	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
Private Household	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
Religious & Membership	0.0	0.1	0.1	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Other Miscellaneous	0.0	0.1	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Public Administration	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Federal & Defence	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Defence	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Government Services	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Provincial	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Local	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4

*There is no % impact on pipelines since the industry does not exist in the base case. Included below are the percentage shares of the total impact for pipelines

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Pipelines	0	0	0	0	0	0	80.7	82.5	85.9	90.4	91.6	90.9	89.4	87.6	86.5	85.8	84.8	83.6	82.7	82.0	82.1	82.3	82.2	81.4

Table 4: Employment, Levels, Scenario 1

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Total Economy	180	220	1070	3470	6930	3770	880	920	800	610	550	620	700	820	890	940	990	1060	1110	1150	1140	1130	1120	1160
Total Business	180	210	1060	3460	6930	3770	870	910	800	600	540	610	700	810	890	930	980	1050	1100	1140	1130	1120	1110	1150
Agriculture & Rel. Serv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fishing & Trapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Logging & Forestry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mining - Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Manufacturing	10	10	30	80	110	40	20	20	10	0	0	10	20	30	30	30	30	30	40	40	40	30	30	30
Construction	0	0	620	2340	5260	2800	240	320	260	180	90	70	70	70	80	80	80	80	80	90	90	90	90	100
Trans., Storage & Pipelines	10	10	40	120	220	200	210	220	210	200	200	200	210	220	220	230	240	240	250	250	250	250	250	250
Transportation - Total	10	10	40	120	170	120	110	100	80	50	40	30	40	50	50	60	70	70	80	80	80	80	80	80
Storage & Warehousing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pipelines	0	0	0	0	50	70	110	120	130	150	160	170	170	170	170	170	170	170	170	170	170	170	170	170
Comm. & Utilities	0	0	10	30	30	20	20	20	10	10	10	10	20	20	20	20	20	20	20	20	20	20	20	20
Communication	0	0	10	10	20	10	10	10	10	0	0	10	10	10	10	10	10	10	10	10	10	10	10	10
Broadcasting	0	0	0	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Telecom. Carriers & Others	0	0	0	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Postal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Utilities - Total	0	0	0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Electrical Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water & Other	0	0	0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Trade	40	50	80	170	190	180	190	170	170	140	140	150	160	180	190	200	210	230	240	260	270	270	300	340
Wholesale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retail	40	50	80	170	180	170	190	170	160	140	130	150	160	180	190	200	210	230	240	250	260	270	290	330
Fin. Insur., Real Est - Total	0	10	10	30	40	20	20	10	10	10	10	10	10	10	10	10	10	10	10	0	0	0	0	0
Finance - Personal	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Finance - Royalties & Imputed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Community Bus. & Pers. Serv	110	130	270	690	1070	510	180	150	110	60	90	150	220	290	340	370	400	430	460	470	460	450	420	410
Business Services	70	80	140	370	600	260	60	50	40	20	40	80	120	160	190	210	230	250	270	270	260	250	220	200
Education	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Health & Social	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Accommodations & Food	30	30	80	190	270	120	60	40	20	0	0	20	30	50	70	70	80	90	100	100	100	100	100	110
Other Services	20	20	50	130	210	130	60	60	50	50	50	60	60	70	80	80	90	90	100	100	100	100	100	110
Total Nonbusiness	0	0	0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Comm., Bus. & Pers. Serv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10
Business Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Education	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Health & Social Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recreation & Amusement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Private Household	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Religious & Membership	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Public Administration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal & Defence	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Defence	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Provincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Local	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 5: Gross Domestic Product, Percentage Impact, Scenario 2

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Total Economy	1.3	2.2	6.9	20.7	37.9	29.0	32.1	34.1	35.3	35.2	36.5	37.5	37.3	37.2	37.1	36.8	36.8	37.0	37.3	37.5	37.6	36.6	37.0	36.8
Total Business	1.8	3.1	9.5	28.2	51.6	39.3	43.4	46.0	47.5	47.2	48.8	50.0	49.7	49.4	49.1	48.6	48.3	48.4	48.7	48.8	48.7	47.3	47.6	47.3
Agriculture & Rel. Serv.	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Fishing & Trapping	0.0	0.0	0.0	0.1	0.0	-0.2	-0.3	-0.4	-0.5	-0.5	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.7	-0.8	-0.8	-0.9	-1.0	-1.2	-1.4
Logging & Forestry	0.0	0.0	0.0	0.1	0.1	0.0	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2
Mining - Total	0.0	0.1	0.4	0.3	1.0	0.3	-0.1	0.0	-0.1	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.4	-0.3	-0.3	-0.3	-0.3	-0.3	-0.4	-0.4
Manufacturing	7.1	10.2	24.1	59.2	84.8	52.6	28.8	26.0	20.9	12.1	9.5	11.8	12.8	14.3	14.9	15.9	17.1	18.9	21.1	22.3	22.5	19.1	19.2	17.9
Construction	0.0	0.0	31.2	117.6	257.8	131.3	10.5	13.0	15.8	13.6	12.8	4.9	5.0	5.2	5.5	5.7	6.0	6.3	6.7	7.1	7.5	7.8	8.2	8.7
Trans., Storage & Pipelines	1.6	2.4	6.8	17.7	25.0	53.1	214.2	231.8	248.2	262.5	275.6	284.0	275.2	267.4	260.5	253.3	245.4	237.6	230.6	223.6	217.5	211.4	206.4	197.5
Transportation - Total	1.6	2.4	6.8	17.7	25.0	19.8	15.6	14.4	12.3	8.8	7.2	6.2	6.0	6.3	6.7	7.1	7.7	8.3	9.0	9.4	9.6	8.8	8.6	7.8
Storage & Warehousing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pipelines*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Comm. & Utilities	0.8	2.5	7.5	23.6	38.2	30.1	22.5	23.3	21.6	19.0	19.3	19.9	20.4	21.0	21.5	21.8	22.7	24.0	25.3	26.4	27.1	26.5	27.8	29.0
Communication	0.8	2.7	8.0	25.8	42.0	33.0	24.4	25.2	23.3	20.4	20.8	21.4	21.9	22.5	23.0	23.3	24.4	25.7	27.1	28.1	28.9	28.3	29.7	30.9
Broadcasting	12.8	23.4	44.4	122.5	206.7	172.9	124.4	137.3	134.8	121.2	125.0	131.1	135.6	140.1	145.5	148.3	155.5	163.5	170.2	176.5	180.2	179.8	186.4	190.6
Telecom. Carriers & Others	0.0	1.4	5.9	20.0	32.1	24.3	17.9	18.2	16.6	14.6	15.0	15.4	15.8	16.4	16.8	17.1	18.0	19.3	20.6	21.7	22.7	22.2	23.8	25.1
Postal	0.3	0.9	2.1	4.5	6.5	5.9	5.8	5.5	4.8	3.7	3.4	3.4	3.5	3.6	3.6	3.5	3.5	3.7	4.1	4.3	4.3	3.9	3.9	3.9
Utilities - Total	0.8	1.3	3.5	8.3	10.9	8.7	8.2	8.2	7.9	7.0	6.8	6.9	6.9	7.0	7.0	6.9	7.0	7.2	7.5	7.7	7.8	7.0	7.0	6.6
Electrical Power	0.0	0.0	0.1	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.9	1.0	1.1	1.2
Gas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water & Other	11.7	18.2	49.5	120.6	155.6	120.8	110.8	110.0	103.4	88.2	84.2	83.4	82.0	81.1	79.1	77.3	76.3	77.4	79.5	80.2	79.2	68.3	67.7	62.0
Trade	3.0	5.2	8.7	20.8	32.6	36.3	33.1	34.0	34.3	32.0	32.6	34.2	35.6	37.4	39.5	41.0	43.3	46.3	50.0	54.1	58.8	61.4	67.6	73.6
Wholesale	0.0	0.0	0.1	0.5	1.0	0.8	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.7
Retail	4.4	7.8	12.9	30.9	48.7	54.9	50.6	52.3	53.4	50.2	51.4	54.4	57.1	60.7	64.8	68.0	72.6	78.4	85.7	94.0	104.0	110.5	123.9	137.2
Fin. Insur., Real Est - Total	1.3	2.0	4.0	10.3	15.7	11.3	7.7	7.6	6.9	5.1	4.3	3.9	3.4	3.1	2.7	2.1	1.7	1.5	1.3	0.9	0.4	-0.8	-1.8	-3.1
Finance - Personal	2.0	3.0	6.2	15.7	23.9	17.3	11.8	11.7	10.6	7.9	6.7	6.0	5.4	4.8	4.1	3.3	2.7	2.3	2.0	1.5	0.6	-1.3	-2.9	-4.9
Finance - Royalties & Imputed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1
Community Bus. & Pers. Serv.	3.7	6.0	11.0	28.3	47.9	36.9	22.5	20.4	17.6	13.0	11.3	11.2	11.3	11.9	12.8	13.2	14.2	15.5	16.9	17.9	18.5	15.7	16.7	15.1
Business Services	9.1	12.2	19.6	51.8	89.0	45.7	5.3	-1.3	-9.4	-21.1	-27.2	-30.7	-33.4	-35.6	-37.7	-40.3	-42.5	-44.7	-47.5	-52.2	-59.0	-77.1	-82.0	-94.0
Education	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.2
Health & Social	0.0	1.1	3.4	11.3	21.8	22.5	19.2	20.9	21.3	21.0	22.2	23.5	25.0	26.5	28.2	29.9	31.9	34.4	37.0	39.7	42.7	45.0	48.9	52.1
Accommodations & Food	2.5	4.6	8.9	22.0	35.8	31.9	24.1	22.2	19.9	16.6	15.4	15.6	16.2	17.3	18.8	19.7	21.3	23.3	25.7	28.0	30.7	32.2	34.6	37.1
Other Services	4.3	7.8	14.5	38.5	67.3	56.5	38.0	37.3	36.4	32.8	32.5	33.7	34.8	36.6	38.8	40.5	43.1	46.1	49.4	52.7	55.9	57.4	60.2	62.6
Total Nonbusiness	0.0	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Comm., Bus. & Pers. Serv.	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
Business Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Education	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Health & Social Services	0.0	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8
Recreation & Amusement	0.0	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
Private Household	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
Religious & Membership	0.0	0.1	0.2	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5
Other Miscellaneous	0.0	0.1	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
Public Administration	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Federal & Defence	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Defence	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Government Services	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Provincial	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Local	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4

*There is no % impact on pipelines since the industry does not exist in the base case. Included below are the percentage shares of the total impact for pipelines

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Pipelines	0	0	0	0	0	0	61.5	64.0	67.4	72.8	75.2	77.2	76.7	75.8	74.7	73.8	72.4	70.7	69.0	67.4	66.1	66.6	65.2	64.7

Table 6: Employment, Levels, Scenario 2

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Total Economy	220	360	1320	4160	8250	5290	1910	1890	1810	1470	1360	1180	1190	1240	1300	1340	1420	1520	1640	1740	1810	1680	1780	1740
Total Business	220	360	1310	4160	8250	5280	1900	1880	1800	1460	1350	1180	1180	1230	1290	1330	1410	1510	1630	1730	1800	1670	1760	1720
Agriculture & Rel. Serv	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fishing & Trapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Logging & Forestry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mining - Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Manufacturing	10	20	40	110	170	110	60	60	40	20	10	20	20	20	30	30	30	40	40	40	40	30	30	20
Construction	0	0	640	2420	5370	2910	240	290	360	310	280	110	110	120	120	130	140	150	160	170	180	190	200	210
Trans., Storage & Pipelines	10	20	60	160	310	320	330	330	320	290	280	290	290	290	300	310	320	330	340	350	360	360	360	360
Transportation - Total	10	20	60	160	260	240	220	210	180	140	120	120	120	120	130	140	150	160	170	180	190	190	190	190
Storage & Warehousing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pipelines	0	0	0	0	50	70	110	120	130	150	160	170	170	170	170	170	170	170	170	170	170	170	170	170
Comm. & Utilities	0	10	20	40	70	60	40	50	40	40	40	40	40	40	40	40	40	40	40	50	50	40	50	40
Communication	0	0	10	30	50	40	30	30	30	20	20	20	20	20	20	30	30	30	30	30	30	30	30	30
Broadcasting	0	0	10	20	30	30	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Telecom. Carriers & Others	0	0	0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Postal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Utilities - Total	0	0	10	20	20	20	20	20	10	10	10	10	10	10	10	10	10	10	20	20	20	20	20	20
Electrical Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water & Other	0	0	10	20	20	20	20	20	10	10	10	10	10	10	10	10	10	10	20	20	20	20	20	10
Trade	60	100	170	410	640	700	630	650	660	610	610	640	650	680	720	750	800	860	930	1010	1100	1140	1260	1370
Wholesale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retail	50	100	170	400	630	700	630	650	660	610	610	630	650	680	720	750	800	860	930	1010	1090	1140	1260	1370
Fin. Insur., Real Est - Total	10	10	20	40	60	40	30	30	20	20	20	10	10	10	10	10	10	0	0	0	0	0	-10	-10
Finance - Personal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Finance - Royalties & Imputed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Community Bus. & Pers. Serv	130	210	370	970	1630	1130	570	480	360	180	100	70	60	60	70	70	80	90	110	100	70	-100	-130	-280
Business Services	70	100	170	440	740	400	60	0	-80	-200	-260	-290	-320	-340	-360	-380	-410	-430	-460	-510	-580	-780	-830	-970
Education	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Health & Social	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Accommodations & Food	40	70	140	350	580	490	340	310	280	230	210	220	220	240	260	270	280	310	340	370	400	410	440	460
Other Services	20	40	70	180	310	250	160	160	160	150	150	150	160	160	170	180	200	210	230	240	260	260	280	290
Total Nonbusiness	0	0	0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Comm., Bus. & Pers. Serv	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	10	10	10	10	10	10	10
Business Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Education	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Health & Social Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Recreation & Amusement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Private Household	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Religious & Membership	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Public Administration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal & Defence	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Defence	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Government Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Provincial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Local	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Interprovincial Input-Output Analysis of the Alaska Highway Pipeline Project

Working Paper No. 7.2.1

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Charles Saunders

Informetrica
Limited

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Interprovincial Input-Output Analysis of the Alaska Highway Pipeline Project

1 Input-Output Models

An Input-Output Model defines the relationships between industries and commodities for production, use for production, and consumption, or alternatively the Make, Use and Final Demand matrices show the flows of goods from producer to end user.

The Use matrix (B) defines the commodity requirements of a given industry in order to produce a commodity. This is the "recipe" for the production process of that industry. Industry GDP is identified by this matrix through use of labour, capital, taxes, subsidies, etc. that is usually a fixed share of gross output of the industry. The Make matrix (D) defines the commodities produced by a given industry. The Final Demand matrix (E) defines the commodity composition of the final products sold, specifically consumption by the domestic population (C), investment (I), exported to (X), or imported from (M), foreign markets, government consumption and investment (G), and adjustments to industry inventories (V).

Total Final Demand:

Gross Domestic Product (Market) = C + I + G + (X - M) + V

Industry GDP is a fixed share of gross output, using matrix algebra we find that;

$$\mathbf{g = DB\,g + DE\,f}$$

DB = matrix D times matrix B
DE = matrix D times matrix E
f = vector of final demand by components
g= vector of gross output by industry

GDP of an industry = (fixed share)*(gross output of an industry)

The GDP generated by incremental activity equals the total value of final demand spending in an input-output table.

An interprovincial input-output model (IPIO) consists of 10 provincial input-output matrix sets and 2 territorial IO matrix sets (Northwest Territories includes Nunavut). These 12 matrix sets are then interconnected through interprovincial trade flows, so X and M would be divided into international trade, Xi and Mi, and domestic trade, Xp and Mp. Changes in any province, industry and/or commodity will cause identifiable influences on other provinces, industries, and commodities.

2 Defined Impacts and Adjustments

The Alaska Highway Pipeline Project will cause an increase in two final demand categories - investment (I), and production of pipeline service that is exported to the US (Xi). Following the investment impact, the investment will require additional products from the economy that can either come from domestic industries and/or imported from foreign markets. Import impacts will be a fixed share of each of the commodities required by the investment. For example 74 per cent of the pumps, compressors, fans & blowers are imported. Domestic industries will produce the remaining requirements, which will depend on where in the country the product is made. 98 per cent of all pumps, compressors, fans & blowers produced in Canada are from Ontario. Inventory adjustments made by domestic producers, taxes and subsidies on both products and production are used to balance out the economy. In total, the initial impact minus the increase in imports is equal to the domestic production increase plus inventory adjustments plus subsidies minus taxes.

The investment final demand category is first disaggregated by type of investment, which consists of nonresidential construction capital expenditures and machinery and equipment expenditures. Nonresidential construction capital expenditures are defined as expenditures on structures and buildings.

> "Nonresidential construction outlays ... [include] gross value of all new nonresidential construction put in place with the exception of defence installations; all additions and major renovations; and all conversions and alterations where structural changes have taken place, or the life of an existing asset is extended beyond its normal life expectancy ... [also] contract work and work done by the firm's own labour force ... All costs incurred directly and indirectly ... site preparation and land improvement ... transfer costs of existing fixed assets ... value of construction work [carried out in Canada] ... [excludes purchased] value of land and existing assets." [1]

In the case of the AHPP, the purchase and installation of pipeline and any preparation costs would be associated with nonresidential structures investment.

Machinery and equipment capital expenditures (M&E) are defined as outlays of capital on durable, tangible goods with a productive life of one year or more, and typically it can be removed without materially altering the structure in which it is housed. M&E investment covers the installed cost of machinery and equipment and **not** simply the delivered cost.[2] The M&E required for the AHPP would include the value of purchase and installation of the compressors, cooling bays, chiller trains, meter stations, and communications equipment.

Pipeline Cost-of-Service (COS) is the revenue generated by the pipeline industry from the transmission of the natural gas from the Alaska-Yukon border to the Yukon-BC border. The tariff charged by the pipeline company and the flow rate of the natural gas determines the COS. Generally the tariff is given in dollars per thousand cubic feet ($/Mcf). For example, with regard to the AHPP the tariff rate in the Yukon is $0.435 per Mcf at a flow rate of 4.0 billion cubic feet per day, so the annual cost of service is $635 million. Since the gas being transported is US gas to US customers then the pipeline company is only providing an export of its services.

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[1] A Guide to the National Income and Expenditure Accounts Definitions-Concepts-Sources-Methods, Volume 3, Statistics Canada, (1975), page 229,230

[2] ___, Ibid, pp. 231,232

An advantage of using the IPIO model is that the results are linear in nature, which means that the ratio of the industry impact to the initial impact is constant (i.e. 20% of $1 billion or 20% of $1 million). Consequently, arbitrary impacts can be introduced into the IPIO model and then scaled accordingly to actual values. Further, the IPIO model uses fixed productivity of employment by industry so employment impacts are also linear in nature. This feature of the IPIO has been exploited to develop an EXCEL file[3], which gives the impact on Canada and the regions of each element of the project, either separately or in combination. There are limitations of the IPIO, which will be discussed later. But several important restrictions will be addressed now.

The **first problem** is that if the commodity has no demand or production by either consumers or industries in a given province/territory in the past, then there is no representation of it in the model. This is the case for natural gas pipeline transportation in the Yukon, so the IPIO model cannot directly simulate investment or output by this industry. There are two ways around this problem:

1) Using another province that has the industry or commodity to simulate the Yukon and then move all direct impacts and most of the indirect impacts to industries that exist in the Yukon, or
2) Make the required direct purchases of commodities from a representative investment vector (National). For example, $1 billion of pipeline M&E investment requires $529 million of 'pumps, compressors, fans & blowers' so these can be purchased directly in the Yukon.

The **second problem** is related to how pipeline structures investment is allocated in the IPIO model. Approximately 96 per cent of pipeline structures investment goes to the gas & oil facility construction industry (CGO). This is similar to using a contractor to build a structure and this is the correct use of this investment. However, also routed through CGO in the IPIO is the entire value of structures investment made by the crude petroleum and natural gas industry (CPNG). Since the value of investment made by CPNG is almost 14 times larger than the pipeline industry the resulting structure commodity detail is more comparable to a CPNG structure than a pipeline. CPNG investment makes up 88 per cent of CGO final demand while pipeline investment is approximately 6 per cent. This leads to an inappropriate commodity mix used in pipeline construction. For example, historically 25-35 per cent of total CGO purchases are 'services incidental to mining', whose primary focus is oil and gas well drilling, which is not required when building a pipeline.

Two of the many possible ways to solving this problem are:

1) Obtain an exhaustive account of commodity and labour requirements for investment. This would include; pipe, valves, trenching costs, labour compensation, land rental, bank service charges, etc. then build up a construction industry that strictly makes natural gas pipelines.

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[3] **7.2.1_IPIO_AHPP_Calculator.xls** input can be made as a time series of construction investment, M&E investment and cost-of-service revenue in both the Yukon and BC. This was developed using open model runs.

2) Remove purchases from industries that are not required in pipeline construction. Then redistribute those purchases over the remaining items purchased. This is the method used in the analysis of the AHPP, with all purchases made by services incidental to mining are reallocated to CGO as a direct purchaser. For example, services incidental to mining purchases steel castings while CGO does not, then after reallocation CGO will purchase steel castings and **not** purchase any services incidental to mining.

In summary, the natural gas pipeline industry does not exist in the Yukon (yet) so adjustments are necessary. First, the cost-of-service is run through Alberta at $1 billion then the results are rerouted to the Yukon. Second, machinery and equipment investment is broken down into the direct commodity demands and purchased directly in the Yukon to approximate an impact of $1 billion of M&E investment. Third, structure investment is treated in the same manner as M&E at $1 billion but additional adjustments are made to remove direct purchases of services incidental to mining by the oil & gas facility construction industry, however keeping all direct requirements for services incidental to mining.

There are three types of effects that occur from any given impact - direct, indirect and induced effects. The **direct** effect is equal in magnitude to the impact of changes to domestic demand and imports. Direct effects cause **indirect** effects, which then cycle through the economy to generate other indirect effects through changes in demand of industries to produce the products required for the impact. **Induced** effects develop from changing prices, wages, productivity, taxes, government balances, etc. that will change domestic demand or foreign transactions. For example, higher wages cause a rise in disposable income, which will promote consumption expenditure and boost the economy's output.

The IPIO can be run as a closed model or as an open model. A **closed model** generates all three types of effects in the economy, direct, indirect and induced. The Informetrica Model (TIM) is a completely closed model with over 3000 equations. An **open model** produces direct and indirect effects but no induced effects because prices, wages, productivity, etc are assumed to have no recycling effects on the economy. Open model runs were used to develop the IPIO EXCEL file, because open models have the advantage of linearity between the results and the initial impact.

3 Impact Results

3.1 Impacts of $1 Billion

The first step is the analysis of results from the arbitrary impacts in the Yukon of $1 billion each on structures investment, machinery and equipment investment, and cost-of-service.[4] This is followed by the analysis of AHPP direct impacts on the Yukon, which include a $2,567 million impact on structures investment, $1,231 million impact of M&E investment, and $635 million impact for pipeline services (COS).

Structures investment leaks approximately 17 per cent of the initial $1 billion impact as imports, with Canadian GDP increasing by 75 per cent of the initial impact. (Taxes, subsidies and inventory changes are the other leakages in the economy for all three impacts.) Each $1 billion of structures investment in the Yukon generates 10,800 jobs in Canada, 6,400 of which are created in the Yukon. Approximately 4,500 of the jobs created in the Yukon are in the construction industry with other notable gains in finance, business services, wholesale trade and retail trade industries. Alberta, BC and Ontario also gain significant number of jobs, at 720, 1,140 and 2,000 jobs respectively, primarily in the manufacturing, wholesale trade and business services industries.

International import leakages are high for **M&E investment** at 64 per cent of the initial $1 billion impact, and Canadian GDP increases by only 26 per cent of the initial impact. The $1 billion impact creates almost 4,000 jobs with over half generated in central Canada, and 1,300 generated between Alberta and BC. The Yukon retains only 2.0 per cent of the initial impact as GDP and generates 412 jobs. The majority of jobs created in the Yukon are in wholesale trade, at 254 jobs, and retail trade, at 48 jobs. Job creation in the other provinces is focused on manufacturing, business services, and wholesale trade and transportation industries.

Approximately 2 per cent of the initial $1 billion **cost-of-service** impact in the Yukon is leaked into imports. 90 per cent of the impact accrues to Canadian GDP, and generates a total of 5,442 jobs. The Yukon receives 87 per cent of the initial impact as GDP and generates 4,951 jobs. The majority of these jobs are in the transportation industries with gains of 3,990, and other notable increases come from finance, and business services industries. Ontario is the next largest gainer at 249 jobs that occur in business services, communications, manufacturing, and wholesale trade industries. The number of jobs created in the pipeline transportation industry by the IPIO model is much higher than expected from independent information. This may be attributable to the fact that the AHPP is a new pipeline and as such should be more productive than existing pipelines. Our estimates for employment are closer to 250 employees per $1 billion of cost-of-service, due to highly integrated computer monitoring and control processes that allow for lower employee requirements.

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[4] Distinct $1 billion impacts for British Columbia were created by shifting all the direct impacts and a large portion of the indirect impacts from the Yukon to British Columbia. As a consequence, impacts in British Columbia have a similar pattern to the Yukon impacts, but are marginally larger because BC provides inputs to the Yukon impacts.

3.2 AHPP in the Yukon and British Columbia

Direct impacts of the Alaska Highway Pipeline Project (AHPP) are separated into construction phase and operations phase impacts, and will be dealt with separately. The **construction phase impact**, for the Yukon segment, will be $2,138 million impact from structures investment, and $1,231 million impact from machinery and equipment investment. The construction phase impact, for the British Columbia segment, will be $1,711 million impact from structures investment, and $927 million impact from machinery and equipment investment.

Figure 1: Construction Phase Impacts, in $millions and person-years[5]

	Investment	Yukon	B.C.	Rest of Canada	Imports	Inventory Adjustment / Taxes / Subsidies
GDP (Yukon)	$3,369	$1,106	$184	$632	$1,155	$291
GDP (B.C.)	$2,638	$1	$1,027	$495	$887	$228
GDP Total	**$6,006**	**$1,107**	**$1,211**	**$1,127**	**$2,042**	**$519**
	Total					
Person-Years (Yukon)	27,894	14,261	3,624	10,009		
Person-Years (B.C.)	22,085	21	14,205	7,859		
Person-Years Total	**49,979**	**14,283**	**17,829**	**17,867**		

The construction phase is estimated to generate a total of 50,000 person-years of employment in the Canadian economy over the 10-year construction period. In total 14,300 person-years are generated in the Yukon and 17,800 person-years in British Columbia, primarily in the construction industry. British Columbia has the advantage of providing material input to the Yukon segment which generates a further 3,600 person-years of employment. However, the British Columbia investment does not generate many employment opportunities in the Yukon because they do not provide inputs for the BC Segment. Central Canada, Saskatchewan, and Alberta are the provinces that also gain employment during the construction phase by providing input materials for the pipeline.

Peak construction occurs in the 5th year, or 2006 in the time path used by Informetrica Limited, with $1,469 million in structures investment and $321 million in M&E investment. Peak employment during the construction phase generates 17,110 jobs in Canada of which 5,367 jobs are in the Yukon, and 6,201 jobs are in British Columbia.

The construction phase investment is expected to generate at total of $3,446 million of GDP for Canada of which $2,318 million is split almost equally between the Yukon and British Columbia.

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[5] Interpretation of this table uses the Yukon as an example but B.C. follows the same pattern. The investment that occurs in the Yukon is given beside the row titled "GDP (Yukon)" in this case $3,369 million. The consequence of this investment is given in the rest of the row. So it generates $1,106 million of GDP for the Yukon, $184 million for B.C., $632 million in the rest-of-Canada, and $1,155 million is spent on imports, with another $291 million made up of taxes and unallocated inventory change. The employment associated with the GDP generated is given in the row titled "Person-Years (Yukon)". So $1,106 million of GDP in the Yukon generates 14,261 person-years of employment in the Yukon.

A significant portion of the investment is accounted for by a rise in imports of $2,042 million. This is attributable to the M&E investment leaking out of the country at a rate of 64% and structures investment leaking out at a rate of 17%. If a domestic supplier of the compressors and pipe is available and expected, it is not reflected in the IPIO model. The employment results are not unlike the findings of the TIM and RIM models with the exception that TIM and RIM assumes that 90 per cent of the compressors and pipe can be supplied domestically. This assumption was made to test the economy for capacity (bottle-necks). The reasonableness of this assumption was confirmed through discussions with firms that could likely supply these inputs. Lower import leakage rates resulted in higher indirect and induced impacts to the Canadian economy.

The **operations phase impact**, for the Yukon segment, will be represented by the annual cost-of-service revenue of $635 million generated from the ultimate flow rate of 4.0 billion cubic feet per day. Likewise, the annual cost-of-service revenue of $508 million generated from the ultimate flow rate is representative of the British Columbia segment.

Figure 2: Operations Phase Impacts, in $millions and person-years

	Cost-of-Service (Peak)	Yukon	B.C.	Rest of Canada	Imports	Inventory Adjustment / Taxes / Subsidies
GDP (Yukon)	$635	$552	$3	$17	$15	$48
GDP (B.C.)	$508	$0	$444	$13	$12	$38
GDP Total	**$1,143**	**$552**	**$448**	**$30**	**$27**	**$86**
	Total					
Person-Years (Yukon)	3,455	3,115	59	281		
Person-Years (B.C.)	2,764	0	2,528	236		
Person-Years Total	**6,219**	**3,115**	**2,587**	**517**		

The operations phase will increase the base employment by 6,219 person-years annually in the Canadian economy with 3,115 person-years occurring in the Yukon and 2,587 person-years in British Columbia. The operations phase generates few employment opportunities in the rest of Canada. $1,143 million of GDP will be generated annually in Canada of which $552 million and $448 million will be from the Yukon and British Columbia's transportation sectors, respectively.

The GDP generated may be inappropriately represented because much of the GDP generated will be used to pay back the loans on the pipeline investment (pipeline cash flow). This would take place at the head office of the pipeline company (most likely in Alberta but shared over the path of the pipeline, the Yukon and B.C.), but this type of GDP does not generate employment.

With the GDP mix being abnormal, then employment estimates will also be inflated because of the fixed productivity assumptions of the IPIO Model. The IPIO Model assumes a productivity of approximately $200,000 per employee with a capital-labour ratio of $1 million per employee for the pipeline transportation industry. Historical capital labour ratios for this industry have been more in the order of $4.5 million per employee (based on 1992 capital stock and Labour

Force Survey), which would reduce employment estimates by 3,000 person-years during years of peak natural gas flow. New computer monitoring devices in recent years have greatly enhanced labour productivity in the pipeline transportation industry, which would further reduce the employment estimates.
Although the employment estimates are too high, the cost-of-service will provide a significant impact to the Yukon economy. This combined with the expectation of at least 25 years for the operations phase, would create a new solid base for the Yukon's economy over the next quarter century.

As a cautionary note, when using the IPIO Model for impact analysis the modeller must be aware of the limitations and structural assumptions, about productivity and import leakage, that is inherent in the model. We are more confident in employment and GDP estimates from TIM and RIM results because these limitations and structural assumptions have been dealt with and corrected for in an intelligent manner.

4 Other Limitations

Aside from the previously mentioned technical limitations of the IPIO model of running impacts on industries that do not exist in a province or territory and different mixes or "recipes", there are other limitations that come from the year that the IPIO model is set. The current IPIO model used in this analysis is 1996.

The main problems caused by fixing the year in the IPIO model are that it assumes no change in technologies, productivity of labour is constant, sources of supply are fixed, and labour income rates are unchanged.

Technologies of industries can change rapidly or very slowly over time, which is dependent on how the industry substitutes capital for labour or materials for factors of production and vice versa. This can be seen in M&E investment by the pipeline industry, whereby computers and video units accounted for 4 per cent of total expenditure in 1986 through 1992 but increased rapidly after 1992 to 17 per cent in 1996. This is however in nominal dollars so the root of this increase could possibly be attributed to rapid increases in the price of computers and video units or real inputs may be up substantially. As the value of the impact based in a particular year (2000$) moves away from the model year (1996$) then nominal (or real) expenditure patterns may be affected by real shifts and relative price changes. This could be important for this impact because the construction phase spans 10 years and the operations phase spans 25 years.

The IPIO model holds the productivity of labour constant in the base year, so if a construction employee produces $120,000 of output in 1996 then there are no productivity improvements over time such that in 2002 that same employee will continue to produce $120,000 of output. This is a limitation because variable productivity is prevalent throughout industries and is generally increasing over time. This is apparent in the oil and gas facility construction industry, which ranged from $40,000 to $80,000 of GDP per employee from 1986 to 1992 but then increased dramatically to $135,000 in 1994. The AHPP spans over three decades from initial construction to anticipated decommission, over which time large shifts in labour productivity as seen from 1992 to 1994 would dramatically change the employment prospects of the project.

Another notable concern with using a fixed investment recipe from an input-output model is that types of actual purchases vary dramatically from year to year. This is apparent with the outlays related to pipe, such that the purchase usually leads the installation by a year. So in a single year pipe purchases can account for 53 per cent of investment, and the following year account for 17 per cent or zero. Without knowledge of when these purchases will be made it is difficult get a truly accurate picture of the project in a given year. This problem is not just associated with pipe but with all items that are purchased for a limited number of years during investment. Where the pipe is produced is also a problem if there is specific knowledge of where the pipe will be procured. In the case of the AHPP, pipe should be purchased from either Saskatchewan or Ontario but the current IPIO model does not increase activity in Saskatchewan for this industry.

Labour compensation is also fixed at 1996 rates, likewise for commodity taxes, subsidies, and international trade. These all have actions and interactions in the economy and are not static elements. Understanding the limitations to the IPIO model allows us to interpret its results and avoid misinterpreting the impacts.

5 Advantages and Uses

Advantages of using the IPIO model include: magnitude of the impact in relation to the current industry, linearity of the open model, a good check on other models, and determine if there are any foreseeable capacity constraints on the economy both provincially and nationally.

The linearity of impact to effect is the main advantage of using the open IPIO model because the impact and effect can then be scaled up or down equally with new information.

The IPIO model is a good check on other models like The Informetrica Model (TIM) and the Regional Industrial Model (RIM). TIM is like the IPIO model but it is a closed model and projections are based on changing demographics, employment, international markets, interest rates, etc. National impacts from the IPIO model should act in a similar manner as TIM, and vice versa. Peak employment for TIM in 2006 is approximately, 43,400 jobs for the total economy and 11,500 jobs specifically for construction, whereas the IPIO predicts total economy gains of 18,500 jobs of which 7,200 jobs are in the construction industry. The higher value from TIM comes from mainly induced effects of higher disposable income, a moderately larger initial impact because TIM includes small Alberta's impacts, and lower labour productivity of the oil & gas facility construction industry. In the IPIO model labour productivity more than doubled between 1992 and 1994, followed by productivity declines in both 1995 and 1996. The IPIO model assumes that this is a structural change in the productivity of this construction industry, while TIM assumes that these years are temporary shifts that return back to more historical ranges in the late 1990s.

The IPIO model also provides a check on RIM with regard to impacts on regions in Canada. RIM uses industry capacity and historical shares to project output, employment, capital, income and other elements in the regional economies. The IPIO model has the advantage of providing greater industry disaggregation and reflecting interprovincial trade patterns. Suppression of sensitive data in the IPIO model does not allow us to determine the relative impact on specific industries. For example, the $1 billion structures impact on the Yukon produced a $230,000 impact on the GDP of the machine shop industry, but without the original level of GDP we do not know the significance of this gain (it could be 1% or 100% of the original industry level). RIM has approximately half the industry detail of the IPIO, but the base GDP levels have been approximated so that relative impacts can be determined. Continuing the previous example, the machine shop industry would be aggregated with some other industries to get a total impact of $366,000 that would increase the metal fabricating industry in RIM by 21 per cent in the Yukon. RIM then lets us decide whether or not this industry has the capacity to accommodate this increase in production.

Appendix: Tutorial on the IPIO Calculator

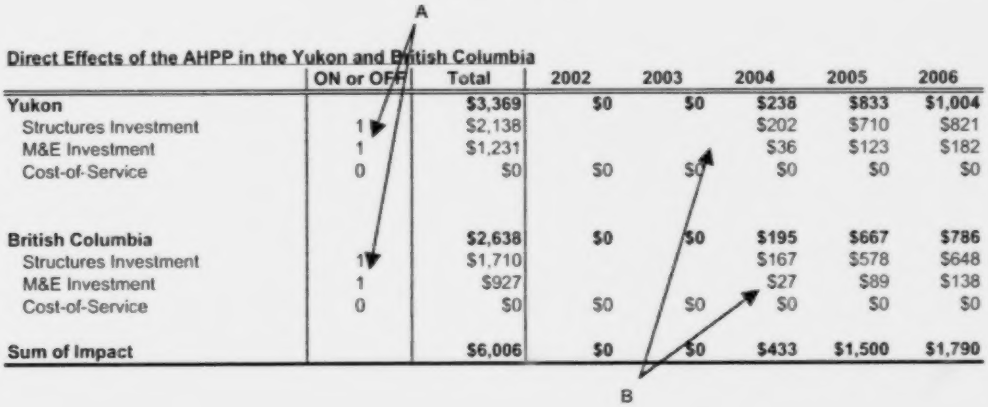
A. 7.2.1_IPIO_Calculator.xls

There are two worksheets that require inputs to generate an impact: the **Input Sheet** and the **Tariff Estimator**. The **Input Sheet** has two sections for each province (highlighted in yellow) that need inputs, which are 'ON or OFF' cells and a time series of the investment profile and cost-of-service.

The time series of the investment profile will allow the user to examine the employment and GDP impacts over time. This is important because most pipeline projects will require little investment in the early years, during design and surveying phase, but heavy investment during the pipe purchase and installing phase. The investment profile is also important when determining the cost-of-service tariff because a high front-end investment profile will create a higher tariff than a large back-end investment profile.

An example of the **Input Sheet** is shown in Figure 1, which includes an A section and a B section, ON or OFF and time series areas respectively. Entering a zero in the A section will turn off the impact to the model, so in this case BC impacts will **not** affect the IPIO results, this is reversed by entering a one (1) in the A sector. The B sector allows for the investment profile to be entered. As shown in figure 1, structures investment is $91 million in the Yukon in 2003 while BC for the same year is $79 million.

Figure 3: Input Sheet



Direct Effects of the AHPP in the Yukon and British Columbia

	ON or OFF	Total	2002	2003	2004	2005	2006
Yukon		**$3,369**	**$0**	**$0**	**$238**	**$833**	**$1,004**
Structures Investment	1	$2,138			$202	$710	$821
M&E Investment	1	$1,231			$36	$123	$182
Cost-of-Service	0	$0	$0	$0	$0	$0	$0
British Columbia		**$2,638**	**$0**	**$0**	**$195**	**$667**	**$786**
Structures Investment	1	$1,710			$167	$578	$648
M&E Investment	1	$927			$27	$89	$138
Cost-of-Service	0	$0	$0	$0	$0	$0	$0
Sum of Impact		**$6,006**	**$0**	**$0**	**$433**	**$1,500**	**$1,790**

The cost-of-service line is generated from the investment profile given in the **Input Sheet** and entries to the **Tariff Estimator** worksheet, shown in Figure 2. The two input sections are again highlighted in yellow and the results are highlighted with blue. The discount rate is the **before tax** rate of return on investment expected by the pipeline industry. This is generally about 12 to 15 per cent. The second section is the 'Quantity per day (bcf/d)', which is the daily flow rate of the pipeline for a given year from commissioning to decommissioning. This can either remain fixed or increase slowly with increased investment in compressors. The tariffs generated are fixed 'real' tariffs and dependent on investment price assumptions (i.e., do the prices of investment inputs rise over the construction period or are they fixed). For convenience, the Yukon and BC cost-of-service revenue generated by this sheet is then linked back to the **Input Sheet**, but this link can be broken with new information on COS revenue.

Figure 4: Tariff Estimator

Discount Rate	13.25%

Total Estimated Tariff	$	0.7447	(in $ per thousand cubic feet)
Yukon Estimated Tariff	$	0.4170	
BC Estimated Tariff	$	0.3278	

			2002	2003	2004	2005	2006	2007	2008
		DATE	0	1	2	3	4	5	6
	92.2	**Quantity per day (bcf/d)**	0.0	0.0	0.0	0.0	0.0	0.4	2.6
$	14,027	Yukon Cost-of Service	$ -	$ -	$ -	$ -	$ -	$ 63	$ 388
$	11,027	BC Cost-of Service	$ -	$ -	$ -	$ -	$ -	$ 50	$ 305
$	**25,054**	**Total Cost-of Service**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 113**	**$ 693**

Reading and interpreting the results can also create difficulties, so the previous example is continued through the results section. The results are spread through three worksheets to keep concepts consistent, which are **Main Output Sheet**, **Sector GDP Impact** and **Sector Empl Impact**. The Main Output Sheet gives the general overview of results both nationally and regionally, shown as Tables 1, 2 and 3. While the Sector GDP Impact and Sector Empl Impact disaggregates the regional results into 18 industry sectors for both GDP and employment (for brevity only the GDP sector detail is shown).

TABLE 1: GDP Base Economy and Impact, Millions of Dollars, by Region

Gross Domestic Product	Base Economy	Ann. Ave Impact	2002	2003	2004	2005	2006
Total Direct Impact		$667	$0	$0	$433	$1,500	$1,790
Canada	**$722,882**	**$383**	**$0**	**$0**	**$294**	**$1,021**	**$1,185**
Import Leakages		-$227	$0	$0	-$104	-$358	-$458
Inventory Leakages		-$37	$0	$0	-$26	-$89	-$105
Tax & Subsidy Leakages		-$9	$0	$0	-$6	-$22	-$26
Atlantic	**$42,170**	**$2**	**$0**	**$0**	**$2**	**$5**	**$6**
Newfoundland	$8,836	$0	$0	$0	$0	$1	$1
Prince Edward Island	$2,438	$0	$0	$0	$0	$0	$0
Nova Scotia	$16,667	$0	$0	$0	$0	$1	$1
New Brunswick	$14,230	$1	$0	$0	$1	$4	$4
Central	**$444,302**	**$97**	**$0**	**$0**	**$60**	**$208**	**$250**
Quebec	$153,564	$12	$0	$0	$7	$25	$30
Ontario	$290,738	$85	$0	$0	$53	$183	$220
Prairie	**$138,990**	**$26**	**$0**	**$0**	**$20**	**$68**	**$79**
Manitoba	$24,245	$2	$0	$0	$1	$4	$5
Saskatchewan	$25,081	$2	$0	$0	$2	$5	$6
Alberta	$89,664	$22	$0	$0	$17	$59	$68
Mountain & Territories	**$97,419**	**$258**	**$0**	**$0**	**$212**	**$740**	**$850**
British Columbia	$93,977	$135	$0	$0	$109	$377	$429
Yukon	$1,047	$123	$0	$0	$103	$362	$419
North West Territories & Nunavut	$2,395	$0	$0	$0	$0	$1	$1

Table 1 shows the initial impact and Canada's ability to generate new GDP from the impact, so $17,000 million of the $20,200 million impact is generated in Canada. Inventory, tax and subsidy leakages are accrued to Canada but are not associated with generating jobs. Likewise import leakages result in impact dollars leaving Canada to generate jobs in foreign markets. The major gainers of this impact are the Yukon, Ontario, BC and Alberta, respectively. However, keep in mind that this is the impact of only Yukon investment and cost-of-service on the Canadian economy. The major source of the Yukon's impact comes from the cost-of-service revenue, which over 90 per cent remains in the Yukon as GDP. To look at why Ontario is the second biggest gainer requires looking into which sector in Ontario has the largest impacts.

Table 2 shows the full time employment (FTE) that is generated by the GDP in Table 1. The largest overall gainer from the impact is the Yukon at an average of 3,140 jobs each year more than in the base economy (this is not an addition of these jobs each year but a level shift up of total employment). The next largest gainer is Ontario at 367 job each year followed by BC and Alberta respectively.

Also presented on this table is the employment generated per $1 billion of impact, which is useful when quickly estimating a larger or smaller project. Labour productivity is also presented to give an idea of how changing the project can result in the generation of more or less jobs.

TABLE 2: Full-Time Employment Generated from Impacts, by Region

Employment (FTE)	Ann. Ave Impact	2002	2003	2004	2005	2006
Total Direct Impact (millions)	$667	$0	$0	$433	$1,500	$1,790
Canada	**5,554**	**0**	**0**	**4,236**	**14,732**	**17,110**
Employment per $1billion Impact	6,547	0	0	9,781	9,819	9,559
Labour Productivity	67,700	0	0	69,319	69,327	69,269
Atlantic	**40**	**0**	**0**	**33**	**115**	**132**
Newfoundland	9	0	0	7	26	30
Prince Edward Island	1	0	0	1	2	2
Nova Scotia	6	0	0	5	17	19
New Brunswick	24	0	0	20	70	80
Central	**1,483**	**0**	**0**	**976**	**3,383**	**4,026**
Quebec	203	0	0	124	428	516
Ontario	1,280	0	0	852	2,955	3,509
Prairie	**453**	**0**	**0**	**336**	**1,166**	**1,361**
Manitoba	35	0	0	24	83	98
Saskatchewan	38	0	0	26	91	107
Alberta	381	0	0	285	992	1,155
Mountain & Territories	**3,577**	**0**	**0**	**2,892**	**10,068**	**11,592**
British Columbia	1,981	0	0	1,569	5,421	6,201
Yukon	1,587	0	0	1,317	4,626	5,367
North West Territories & Nunavut	8	0	0	6	21	24

Table 3 shows the percent impact on the base economy by province, which is used to determine if the impact is significant. The impact on the Yukon is very significant at 49.5 per cent per year whereas Ontario's per cent impact does not even register even though it is the second largest gainer. BC's impacts are marginal for this impact at 0.1 per cent of its $94 billion economy. Also presented on this table is the domestic retention rate, which is the percent of the impact that is not leaked out as imports. The Canadian retention rate move with impact profiles and their associated import leakage rates.

TABLE 3: GDP Base Economy, in Millions of Dollars, and Percent Impact by Region

Gross Domestic Product	Base Economy	Ann % Impact	2002	2003	2004	2005	2006
Total Direct Impact		$667	$0	$0	$433	$1,500	$1,790
Canada	**$722,882**	**0.1%**	**0.0%**	**0.0%**	**0.0%**	**0.1%**	**0.2%**
Domestic Retention of Impact		54.0%	0.0%	0.0%	75.9%	76.2%	74.4%
Atlantic	**$42,170**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**
Newfoundland	$8,836	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Prince Edward Island	$2,438	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Nova Scotia	$16,667	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
New Brunswick	$14,230	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Central	**$444,302**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.1%**
Quebec	$153,564	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Ontario	$290,738	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%
Prairie	**$138,990**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.1%**
Manitoba	$24,245	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Saskatchewan	$25,081	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Alberta	$89,664	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%
Mountain & Territories	**$97,419**	**0.3%**	**0.0%**	**0.0%**	**0.2%**	**0.8%**	**0.9%**
British Columbia	$93,977	0.1%	0.0%	0.0%	0.1%	0.4%	0.5%
Yukon	$1,047	11.8%	0.0%	0.0%	9.8%	34.6%	40.1%
North West Territories & Nunavut	$2,395	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%

The last two tables presented below are taken from the **Sector GDP Impact** and are the industry sector detail for the Yukon and Ontario. This will let the user examine where the impact is focused by industry. Although it is not presented here, the following analysis is similar when analyzing employment by sector from the **Sector Empl Impact**.

Yukon

	Base Economy	Ann. Ave Impact	2002	2003	2004	2005	2006
ALL INDUSTRIES	**$1,047**	**$123**	**$0**	**$0**	**$103**	**$362**	**$419**
AGRICULTURAL AND RELATED SERVICE IND.	$2	$0	$0	$0	$0	$0	$0
FISHING & TRAPPING INDUSTRIES	$0	$0	$0	$0	$0	$0	$0
LOGGING & FORESTRY INDUSTRIES	$2	$0	$0	$0	$0	$0	$0
MINING (INC. MILLING), QUARRYING & OIL WELLS	$158	$0	$0	$0	$0	$0	$0
MANUFACTURING INDUSTRIES	$6	$1	$0	$0	$0	$2	$2
CONSTRUCTION INDUSTRIES	$79	$100	$0	$0	$85	$298	$345
TRANSPORTATION AND STORAGE INDUSTRIES	$50	$1	$0	$0	$1	$4	$5
COMMUNICATION & OTHER UTILITY INDUSTRIES	$62	$2	$0	$0	$2	$5	$6
WHOLESALE TRADE INDUSTRIES	$41	$5	$0	$0	$3	$12	$14
RETAIL TRADE INDUSTRIES	$54	$1	$0	$0	$1	$4	$4
FINANCE AND INSURANCE INDUSTRIES	$33	$3	$0	$0	$2	$8	$9
REAL ESTATE OPERATOR & INS. AGENT IND.	$102	$1	$0	$0	$0	$2	$2
BUSINESS SERVICE INDUSTRIES	$20	$6	$0	$0	$5	$18	$21
GOVERNMENT SERVICE INDUSTRIES	$204	$0	$0	$0	$0	$1	$1
EDUCATIONAL SERVICE INDUSTRIES	$68	$0	$0	$0	$0	$0	$0
HEALTH AND SOCIAL SERVICE INDUSTRIES	$59	$0	$0	$0	$0	$0	$0
ACCOMMODATION, FOOD & BEVERAGE SERV.	$59	$0	$0	$0	$0	$1	$1
OTHER SERVICE INDUSTRIES	$47	$2	$0	$0	$2	$7	$8

The major gaining sectors are the transportation and construction sectors. The construction gains increase over the investment period, and peak in 2006 at $372 million of GDP. Transportation sector GDP begins its rise in 2007 and peaks in 2013 and remains flat thereafter at $580 million each year (table above ends before cost-of-service begins). Other industries that gain are the wholesale trade industry and business service industry during peak construction years.

The main gainers in Ontario are the manufacturing, business service and wholesale trade sectors. The Yukon lacks capital-intensive manufacturing industries, which results in large interprovincial and foreign imports of both the pipe and compressors for the pipeline project.

Ontario

	Base Economy	Ann. Ave Impact	2002	2003	2004	2005	2006
ALL INDUSTRIES	**$290,738**	**$85**	**$0**	**$0**	**$53**	**$183**	**$220**
AGRICULTURAL AND RELATED SERVICE IND.	$3,007	$0	$0	$0	$0	$0	$0
FISHING & TRAPPING INDUSTRIES	$38	$0	$0	$0	$0	$0	$0
LOGGING & FORESTRY INDUSTRIES	$681	$0	$0	$0	$0	$0	$0
MINING (INC. MILLING), QUARRYING & OIL WELLS	$3,105	$0	$0	$0	$0	$0	$0
MANUFACTURING INDUSTRIES	$71,726	$41	$0	$0	$19	$65	$83
CONSTRUCTION INDUSTRIES	$12,322	$1	$0	$0	$0	$1	$2
TRANSPORTATION AND STORAGE INDUSTRIES	$10,191	$1	$0	$0	$1	$3	$4
COMMUNICATION & OTHER UTILITY INDUSTRIES	$19,153	$4	$0	$0	$3	$10	$12
WHOLESALE TRADE INDUSTRIES	$16,573	$6	$0	$0	$4	$14	$16
RETAIL TRADE INDUSTRIES	$14,708	$1	$0	$0	$1	$2	$2
FINANCE AND INSURANCE INDUSTRIES	$18,472	$5	$0	$0	$3	$12	$14
REAL ESTATE OPERATOR & INS. AGENT IND.	$31,871	$2	$0	$0	$2	$6	$7
BUSINESS SERVICE INDUSTRIES	$17,238	$19	$0	$0	$16	$57	$65
GOVERNMENT SERVICE INDUSTRIES	$17,116	$1	$0	$0	$1	$2	$2
EDUCATIONAL SERVICE INDUSTRIES	$16,763	$0	$0	$0	$0	$0	$1
HEALTH AND SOCIAL SERVICE INDUSTRIES	$19,212	$0	$0	$0	$0	$0	$0
ACCOMMODATION, FOOD & BEVERAGE SERV.	$6,570	$1	$0	$0	$0	$2	$2
OTHER SERVICE INDUSTRIES	$11,993	$3	$0	$0	$2	$8	$9

B. Pipeline Impact Rules of Thumb (common sense)

1) Pipe must be bought before it can be installed, sometimes this can be in same year.
2) The costs of purchasing pipe is approximately equal to the installed cost per mile in Alberta, but the installed costs per mile rises as the investment moves further north.
3) The pipeline must be designed, surveyed, the right of way leases and any other engineering requirements must occur before the pipe is purchased and installed.
4) The purchase price of the pipe has historically been 20 per cent of total investment, while installation costs range from 20 to 35 per cent depending on terrain.
5) Historically, 30 percent of the total investment number has been allocated to M&E investment.
6) M&E investment can be ongoing while the pipeline is operational to increase capacity.
7) Compressors can be installed at the same time as the pipe or after, but **not before** the pipe is installed. The purchase of the compressors can occur before the pipe is installed.

Gross Domestic Product (millions$)

Canada

	Base Economy	Ann. Ave Impact	2002	2003	2004
ALL INDUSTRIES	**$722,882**	**$383**	**$0**	**$0**	**$294**
AGRICULTURAL AND RELATED SERVICE IND.	$13,454	$0	$0	$0	$0
FISHING & TRAPPING INDUSTRIES	$1,114	$0	$0	$0	$0
LOGGING & FORESTRY INDUSTRIES	$6,295	$0	$0	$0	$0
MINING (INC. MILLING), QUARRYING & OIL WELLS	$33,782	$5	$0	$0	$4
MANUFACTURING INDUSTRIES	$137,714	$69	$0	$0	$36
CONSTRUCTION INDUSTRIES	$36,997	$181	$0	$0	$156
TRANSPORTATION AND STORAGE INDUSTRIES	$31,595	$10	$0	$0	$8
COMMUNICATION & OTHER UTILITY INDUSTRIES	$47,903	$11	$0	$0	$8
WHOLESALE TRADE INDUSTRIES	$38,529	$27	$0	$0	$17
RETAIL TRADE INDUSTRIES	$38,976	$4	$0	$0	$3
FINANCE AND INSURANCE INDUSTRIES	$36,939	$12	$0	$0	$9
REAL ESTATE OPERATOR & INS. AGENT IND.	$77,456	$5	$0	$0	$4
BUSINESS SERVICE INDUSTRIES	$36,892	$44	$0	$0	$37
GOVERNMENT SERVICE INDUSTRIES	$45,789	$2	$0	$0	$2
EDUCATIONAL SERVICE INDUSTRIES	$41,479	$0	$0	$0	$0
HEALTH AND SOCIAL SERVICE INDUSTRIES	$49,833	$0	$0	$0	$0
ACCOMMODATION, FOOD & BEVERAGE SERV.	$18,595	$2	$0	$0	$2
OTHER SERVICE INDUSTRIES	$29,542	$9	$0	$0	$8

Atlantic

	Base Economy	Ann. Ave Impact	2002	2003	2004
ALL INDUSTRIES	**$42,170**	**$2**	**$0**	**$0**	**$2**
AGRICULTURAL AND RELATED SERVICE IND.	$498	$0	$0	$0	$0
FISHING & TRAPPING INDUSTRIES	$647	$0	$0	$0	$0
LOGGING & FORESTRY INDUSTRIES	$636	$0	$0	$0	$0
MINING (INC. MILLING), QUARRYING & OIL WELLS	$1,099	$0	$0	$0	$0
MANUFACTURING INDUSTRIES	$5,028	$1	$0	$0	$1
CONSTRUCTION INDUSTRIES	$2,604	$0	$0	$0	$0
TRANSPORTATION AND STORAGE INDUSTRIES	$1,812	$0	$0	$0	$0
COMMUNICATION & OTHER UTILITY INDUSTRIES	$3,082	$0	$0	$0	$0
WHOLESALE TRADE INDUSTRIES	$1,830	$0	$0	$0	$0
RETAIL TRADE INDUSTRIES	$2,697	$0	$0	$0	$0
FINANCE AND INSURANCE INDUSTRIES	$1,739	$0	$0	$0	$0
REAL ESTATE OPERATOR & INS. AGENT IND.	$5,167	$0	$0	$0	$0
BUSINESS SERVICE INDUSTRIES	$1,398	$0	$0	$0	$0
GOVERNMENT SERVICE INDUSTRIES	$4,695	$0	$0	$0	$0
EDUCATIONAL SERVICE INDUSTRIES	$2,954	$0	$0	$0	$0
HEALTH AND SOCIAL SERVICE INDUSTRIES	$3,599	$0	$0	$0	$0
ACCOMMODATION, FOOD & BEVERAGE SERV.	$1,171	$0	$0	$0	$0
OTHER SERVICE INDUSTRIES	$1,516	$0	$0	$0	$0

Newfoundland

2005	2006	2007	2008	2009	2010	2011	2012
$1,021	**$1,185**	**$574**	**$110**	**$109**	**$87**	**$44**	**$22**
$1	$1	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$1	$1	$0	$0	$0	$0	$0	$0
$13	$15	$7	$1	$1	$1	$0	$0
$123	$154	$93	$64	$64	$51	$26	$13
$543	$620	$281	$8	$7	$6	$3	$2
$26	$31	$15	$4	$4	$3	$2	$1
$29	$34	$17	$4	$4	$3	$2	$1
$59	$71	$38	$16	$16	$13	$6	$3
$12	$13	$7	$1	$1	$1	$1	$0
$32	$37	$18	$3	$3	$2	$1	$1
$12	$14	$7	$1	$1	$1	$0	$0
$129	$147	$68	$5	$5	$4	$2	$1
$5	$6	$3	$1	$1	$0	$0	$0
$1	$1	$1	$0	$0	$0	$0	$0
$1	$1	$0	$0	$0	$0	$0	$0
$7	$8	$4	$1	$1	$1	$0	$0
$27	$31	$14	$1	$1	$1	$1	$0

2005	2006	2007	2008	2009	2010	2011	2012
$5	**$6**	**$3**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$4	$4	$2	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$1	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2013	2014	2015	2016	2017	2018	2019	2020
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2013	2014	2015	2016	2017	2018	2019	2020
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2021	2022	2023	2024	2025	2026	2027	2028
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2021	2022	2023	2024	2025	2026	2027	2028
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2029	2030	2031
$0	**$0**	**$0**
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0

2029	2030	2031
$0	**$0**	**$0**
$0	$0	$0
$0	$0	$0
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$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0

	Base Economy	Ann. Ave Impact	2002	2003	2004
ALL INDUSTRIES	**$8,836**	**$0**	**$0**	**$0**	**$0**
AGRICULTURAL AND RELATED SERVICE IND.	$34	$0	$0	$0	$0
FISHING & TRAPPING INDUSTRIES	$178	$0	$0	$0	$0
LOGGING & FORESTRY INDUSTRIES	$99	$0	$0	$0	$0
MINING (INC. MILLING), QUARRYING & OIL WELLS	$402	$0	$0	$0	$0
MANUFACTURING INDUSTRIES	$701	$0	$0	$0	$0
CONSTRUCTION INDUSTRIES	$674	$0	$0	$0	$0
TRANSPORTATION AND STORAGE INDUSTRIES	$366	$0	$0	$0	$0
COMMUNICATION & OTHER UTILITY INDUSTRIES	$759	$0	$0	$0	$0
WHOLESALE TRADE INDUSTRIES	$329	$0	$0	$0	$0
RETAIL TRADE INDUSTRIES	$538	$0	$0	$0	$0
FINANCE AND INSURANCE INDUSTRIES	$323	$0	$0	$0	$0
REAL ESTATE OPERATOR & INS. AGENT IND.	$1,049	$0	$0	$0	$0
BUSINESS SERVICE INDUSTRIES	$285	$0	$0	$0	$0
GOVERNMENT SERVICE INDUSTRIES	$973	$0	$0	$0	$0
EDUCATIONAL SERVICE INDUSTRIES	$754	$0	$0	$0	$0
HEALTH AND SOCIAL SERVICE INDUSTRIES	$848	$0	$0	$0	$0
ACCOMMODATION, FOOD & BEVERAGE SERV.	$228	$0	$0	$0	$0
OTHER SERVICE INDUSTRIES	$296	$0	$0	$0	$0

Prince Edward Island

	Base Economy	Ann. Ave Impact	2002	2003	2004
ALL INDUSTRIES	**$2,438**	**$0**	**$0**	**$0**	**$0**
AGRICULTURAL AND RELATED SERVICE IND.	$118	$0	$0	$0	$0
FISHING & TRAPPING INDUSTRIES	$55	$0	$0	$0	$0
LOGGING & FORESTRY INDUSTRIES	$17	$0	$0	$0	$0
MINING (INC. MILLING), QUARRYING & OIL WELLS	$2	$0	$0	$0	$0
MANUFACTURING INDUSTRIES	$198	$0	$0	$0	$0
CONSTRUCTION INDUSTRIES	$258	$0	$0	$0	$0
TRANSPORTATION AND STORAGE INDUSTRIES	$99	$0	$0	$0	$0
COMMUNICATION & OTHER UTILITY INDUSTRIES	$108	$0	$0	$0	$0
WHOLESALE TRADE INDUSTRIES	$98	$0	$0	$0	$0
RETAIL TRADE INDUSTRIES	$163	$0	$0	$0	$0
FINANCE AND INSURANCE INDUSTRIES	$116	$0	$0	$0	$0
REAL ESTATE OPERATOR & INS. AGENT IND.	$298	$0	$0	$0	$0
BUSINESS SERVICE INDUSTRIES	$59	$0	$0	$0	$0
GOVERNMENT SERVICE INDUSTRIES	$287	$0	$0	$0	$0
EDUCATIONAL SERVICE INDUSTRIES	$167	$0	$0	$0	$0
HEALTH AND SOCIAL SERVICE INDUSTRIES	$203	$0	$0	$0	$0
ACCOMMODATION, FOOD & BEVERAGE SERV.	$98	$0	$0	$0	$0
OTHER SERVICE INDUSTRIES	$92	$0	$0	$0	$0

Nova Scotia

	Base Economy	Ann. Ave Impact	2002	2003	2004
ALL INDUSTRIES	**$16,667**	**$0**	**$0**	**$0**	**$0**
AGRICULTURAL AND RELATED SERVICE IND.	$187	$0	$0	$0	$0

2005	2006	2007	2008	2009	2010	2011	2012
$1	**$1**	**$1**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$1	$1	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2005	2006	2007	2008	2009	2010	2011	2012
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2005	2006	2007	2008	2009	2010	2011	2012
$1	**$1**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0

2013	2014	2015	2016	2017	2018	2019	2020
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2013	2014	2015	2016	2017	2018	2019	2020
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2013	2014	2015	2016	2017	2018	2019	2020
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0

2021	2022	2023	2024	2025	2026	2027	2028
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2021	2022	2023	2024	2025	2026	2027	2028
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2021	2022	2023	2024	2025	2026	2027	2028
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0

2029	2030	2031
$0	**$0**	**$0**
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
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$0	$0	$0
$0	$0	$0

2029	2030	2031
$0	**$0**	**$0**
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
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$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0

2029	2030	2031
$0	**$0**	**$0**
$0	$0	$0

FISHING & TRAPPING INDUSTRIES	$270	$0	$0	$0	$0
LOGGING & FORESTRY INDUSTRIES	$120	$0	$0	$0	$0
MINING (INC. MILLING), QUARRYING & OIL WELLS	$339	$0	$0	$0	$0
MANUFACTURING INDUSTRIES	$1,897	$0	$0	$0	$0
CONSTRUCTION INDUSTRIES	$869	$0	$0	$0	$0
TRANSPORTATION AND STORAGE INDUSTRIES	$636	$0	$0	$0	$0
COMMUNICATION & OTHER UTILITY INDUSTRIES	$1,164	$0	$0	$0	$0
WHOLESALE TRADE INDUSTRIES	$790	$0	$0	$0	$0
RETAIL TRADE INDUSTRIES	$1,112	$0	$0	$0	$0
FINANCE AND INSURANCE INDUSTRIES	$744	$0	$0	$0	$0
REAL ESTATE OPERATOR & INS. AGENT IND.	$2,281	$0	$0	$0	$0
BUSINESS SERVICE INDUSTRIES	$601	$0	$0	$0	$0
GOVERNMENT SERVICE INDUSTRIES	$2,016	$0	$0	$0	$0
EDUCATIONAL SERVICE INDUSTRIES	$1,164	$0	$0	$0	$0
HEALTH AND SOCIAL SERVICE INDUSTRIES	$1,407	$0	$0	$0	$0
ACCOMMODATION, FOOD & BEVERAGE SERV.	$464	$0	$0	$0	$0
OTHER SERVICE INDUSTRIES	$604	$0	$0	$0	$0

New Brunswick

	Base Economy	Ann. Ave Impact	2002	2003	2004
ALL INDUSTRIES	**$14,230**	**$1**	**$0**	**$0**	**$1**
AGRICULTURAL AND RELATED SERVICE IND.	$158	$0	$0	$0	$0
FISHING & TRAPPING INDUSTRIES	$144	$0	$0	$0	$0
LOGGING & FORESTRY INDUSTRIES	$400	$0	$0	$0	$0
MINING (INC. MILLING), QUARRYING & OIL WELLS	$356	$0	$0	$0	$0
MANUFACTURING INDUSTRIES	$2,232	$1	$0	$0	$1
CONSTRUCTION INDUSTRIES	$802	$0	$0	$0	$0
TRANSPORTATION AND STORAGE INDUSTRIES	$710	$0	$0	$0	$0
COMMUNICATION & OTHER UTILITY INDUSTRIES	$1,050	$0	$0	$0	$0
WHOLESALE TRADE INDUSTRIES	$613	$0	$0	$0	$0
RETAIL TRADE INDUSTRIES	$883	$0	$0	$0	$0
FINANCE AND INSURANCE INDUSTRIES	$555	$0	$0	$0	$0
REAL ESTATE OPERATOR & INS. AGENT IND.	$1,540	$0	$0	$0	$0
BUSINESS SERVICE INDUSTRIES	$453	$0	$0	$0	$0
GOVERNMENT SERVICE INDUSTRIES	$1,419	$0	$0	$0	$0
EDUCATIONAL SERVICE INDUSTRIES	$869	$0	$0	$0	$0
HEALTH AND SOCIAL SERVICE INDUSTRIES	$1,141	$0	$0	$0	$0
ACCOMMODATION, FOOD & BEVERAGE SERV.	$381	$0	$0	$0	$0
OTHER SERVICE INDUSTRIES	$524	$0	$0	$0	$0

Central Canada

	Base Economy	Ann. Ave Impact	2002	2003	2004
ALL INDUSTRIES	**$444,302**	**$97**	**$0**	**$0**	**$60**
AGRICULTURAL AND RELATED SERVICE IND.	$5,301	$0	$0	$0	$0
FISHING & TRAPPING INDUSTRIES	$116	$0	$0	$0	$0
LOGGING & FORESTRY INDUSTRIES	$1,702	$0	$0	$0	$0
MINING (INC. MILLING), QUARRYING & OIL WELLS	$4,533	$0	$0	$0	$0
MANUFACTURING INDUSTRIES	$106,248	$49	$0	$0	$24
CONSTRUCTION INDUSTRIES	$19,740	$1	$0	$0	$0

$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2005	2006	2007	2008	2009	2010	2011	2012
$4	**$4**	**$2**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$3	$3	$1	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2005	2006	2007	2008	2009	2010	2011	2012
$208	**$250**	**$136**	**$64**	**$63**	**$51**	**$25**	**$13**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$1	$1	$0	$0	$0	$0	$0	$0
$81	$103	$65	$50	$49	$40	$20	$10
$1	$2	$1	$0	$0	$0	$0	$0

$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2013	2014	2015	2016	2017	2018	2019	2020
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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2013	2014	2015	2016	2017	2018	2019	2020
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2021	2022	2023	2024	2025	2026	2027	2028
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
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2021	2022	2023	2024	2025	2026	2027	2028
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2029	2030	2031
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TRANSPORTATION AND STORAGE INDUSTRIES	$16,634	$2	$0	$0	$1
COMMUNICATION & OTHER UTILITY INDUSTRIES	$31,239	$5	$0	$0	$4
WHOLESALE TRADE INDUSTRIES	$24,646	$7	$0	$0	$4
RETAIL TRADE INDUSTRIES	$23,597	$1	$0	$0	$1
FINANCE AND INSURANCE INDUSTRIES	$25,755	$5	$0	$0	$4
REAL ESTATE OPERATOR & INS. AGENT IND.	$45,726	$2	$0	$0	$2
BUSINESS SERVICE INDUSTRIES	$24,778	$20	$0	$0	$17
GOVERNMENT SERVICE INDUSTRIES	$27,690	$1	$0	$0	$1
EDUCATIONAL SERVICE INDUSTRIES	$26,738	$0	$0	$0	$0
HEALTH AND SOCIAL SERVICE INDUSTRIES	$31,294	$0	$0	$0	$0
ACCOMMODATION, FOOD & BEVERAGE SERV.	$10,249	$1	$0	$0	$1
OTHER SERVICE INDUSTRIES	$18,316	$3	$0	$0	$2

Quebec

	Base Economy	Ann. Ave Impact	2002	2003	2004
ALL INDUSTRIES	**$153,564**	**$12**	**$0**	**$0**	**$7**
AGRICULTURAL AND RELATED SERVICE IND.	$2,295	$0	$0	$0	$0
FISHING & TRAPPING INDUSTRIES	$78	$0	$0	$0	$0
LOGGING & FORESTRY INDUSTRIES	$1,020	$0	$0	$0	$0
MINING (INC. MILLING), QUARRYING & OIL WELLS	$1,428	$0	$0	$0	$0
MANUFACTURING INDUSTRIES	$34,521	$8	$0	$0	$5
CONSTRUCTION INDUSTRIES	$7,419	$0	$0	$0	$0
TRANSPORTATION AND STORAGE INDUSTRIES	$6,443	$0	$0	$0	$0
COMMUNICATION & OTHER UTILITY INDUSTRIES	$12,085	$1	$0	$0	$1
WHOLESALE TRADE INDUSTRIES	$8,074	$1	$0	$0	$0
RETAIL TRADE INDUSTRIES	$8,889	$0	$0	$0	$0
FINANCE AND INSURANCE INDUSTRIES	$7,284	$1	$0	$0	$0
REAL ESTATE OPERATOR & INS. AGENT IND.	$13,855	$0	$0	$0	$0
BUSINESS SERVICE INDUSTRIES	$7,540	$1	$0	$0	$0
GOVERNMENT SERVICE INDUSTRIES	$10,574	$0	$0	$0	$0
EDUCATIONAL SERVICE INDUSTRIES	$9,975	$0	$0	$0	$0
HEALTH AND SOCIAL SERVICE INDUSTRIES	$12,083	$0	$0	$0	$0
ACCOMMODATION, FOOD & BEVERAGE SERV.	$3,679	$0	$0	$0	$0
OTHER SERVICE INDUSTRIES	$6,323	$0	$0	$0	$0

Ontario

	Base Economy	Ann. Ave Impact	2002	2003	2004
ALL INDUSTRIES	**$290,738**	**$85**	**$0**	**$0**	**$53**
AGRICULTURAL AND RELATED SERVICE IND.	$3,007	$0	$0	$0	$0
FISHING & TRAPPING INDUSTRIES	$38	$0	$0	$0	$0
LOGGING & FORESTRY INDUSTRIES	$681	$0	$0	$0	$0
MINING (INC. MILLING), QUARRYING & OIL WELLS	$3,105	$0	$0	$0	$0
MANUFACTURING INDUSTRIES	$71,726	$41	$0	$0	$19
CONSTRUCTION INDUSTRIES	$12,322	$1	$0	$0	$0
TRANSPORTATION AND STORAGE INDUSTRIES	$10,191	$1	$0	$0	$1
COMMUNICATION & OTHER UTILITY INDUSTRIES	$19,153	$4	$0	$0	$3
WHOLESALE TRADE INDUSTRIES	$16,573	$6	$0	$0	$4
RETAIL TRADE INDUSTRIES	$14,708	$1	$0	$0	$1
FINANCE AND INSURANCE INDUSTRIES	$18,472	$5	$0	$0	$3

$4	$5	$3	$1	$1	$1	$0	$0
$12	$15	$7	$2	$2	$2	$1	$0
$15	$18	$10	$4	$4	$3	$1	$1
$2	$3	$1	$1	$1	$0	$0	$0
$13	$16	$8	$2	$2	$1	$1	$0
$6	$7	$4	$1	$1	$0	$0	$0
$58	$66	$31	$3	$3	$2	$1	$1
$2	$3	$1	$0	$0	$0	$0	$0
$0	$1	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$2	$2	$1	$0	$0	$0	$0	$0
$8	$9	$4	$1	$1	$0	$0	$0

2005	2006	2007	2008	2009	2010	2011	2012
$25	**$30**	**$17**	**$9**	**$9**	**$7**	**$4**	**$2**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$16	$19	$11	$7	$7	$5	$3	$1
$0	$0	$0	$0	$0	$0	$0	$0
$1	$1	$1	$0	$0	$0	$0	$0
$2	$2	$1	$0	$0	$0	$0	$0
$2	$2	$1	$1	$1	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$1	$2	$1	$0	$0	$0	$0	$0
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$1	$1	$1	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2005	2006	2007	2008	2009	2010	2011	2012
$183	**$220**	**$119**	**$55**	**$55**	**$44**	**$22**	**$11**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$65	$83	$54	$43	$43	$34	$17	$9
$1	$2	$1	$0	$0	$0	$0	$0
$3	$4	$2	$1	$1	$1	$0	$0
$10	$12	$6	$2	$2	$1	$1	$0
$14	$16	$8	$3	$3	$3	$1	$1
$2	$2	$1	$0	$0	$0	$0	$0
$12	$14	$7	$1	$1	$1	$1	$0

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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2013	2014	2015	2016	2017	2018	2019	2020
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2013	2014	2015	2016	2017	2018	2019	2020
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
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2021	2022	2023	2024	2025	2026	2027	2028
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
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2021	2022	2023	2024	2025	2026	2027	2028
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
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REAL ESTATE OPERATOR & INS. AGENT IND.	$31,871	$2	$0	$0	$2
BUSINESS SERVICE INDUSTRIES	$17,238	$19	$0	$0	$16
GOVERNMENT SERVICE INDUSTRIES	$17,116	$1	$0	$0	$1
EDUCATIONAL SERVICE INDUSTRIES	$16,763	$0	$0	$0	$0
HEALTH AND SOCIAL SERVICE INDUSTRIES	$19,212	$0	$0	$0	$0
ACCOMMODATION, FOOD & BEVERAGE SERV.	$6,570	$1	$0	$0	$0
OTHER SERVICE INDUSTRIES	$11,993	$3	$0	$0	$2

Prairies

	Base Economy	Ann. Ave Impact	2002	2003	2004
ALL INDUSTRIES	**$138,990**	**$26**	**$0**	**$0**	**$20**
AGRICULTURAL AND RELATED SERVICE IND.	$6,755	$0	$0	$0	$0
FISHING & TRAPPING INDUSTRIES	$18	$0	$0	$0	$0
LOGGING & FORESTRY INDUSTRIES	$505	$0	$0	$0	$0
MINING (INC. MILLING), QUARRYING & OIL WELLS	$25,072	$3	$0	$0	$2
MANUFACTURING INDUSTRIES	$15,101	$5	$0	$0	$4
CONSTRUCTION INDUSTRIES	$8,233	$0	$0	$0	$0
TRANSPORTATION AND STORAGE INDUSTRIES	$7,544	$3	$0	$0	$2
COMMUNICATION & OTHER UTILITY INDUSTRIES	$8,087	$1	$0	$0	$1
WHOLESALE TRADE INDUSTRIES	$7,083	$5	$0	$0	$3
RETAIL TRADE INDUSTRIES	$6,521	$0	$0	$0	$0
FINANCE AND INSURANCE INDUSTRIES	$4,784	$1	$0	$0	$0
REAL ESTATE OPERATOR & INS. AGENT IND.	$13,345	$0	$0	$0	$0
BUSINESS SERVICE INDUSTRIES	$5,777	$6	$0	$0	$5
GOVERNMENT SERVICE INDUSTRIES	$7,310	$0	$0	$0	$0
EDUCATIONAL SERVICE INDUSTRIES	$6,406	$0	$0	$0	$0
HEALTH AND SOCIAL SERVICE INDUSTRIES	$7,775	$0	$0	$0	$0
ACCOMMODATION, FOOD & BEVERAGE SERV.	$3,447	$0	$0	$0	$0
OTHER SERVICE INDUSTRIES	$5,228	$1	$0	$0	$1

Manitoba

	Base Economy	Ann. Ave Impact	2002	2003	2004
ALL INDUSTRIES	**$24,245**	**$2**	**$0**	**$0**	**$1**
AGRICULTURAL AND RELATED SERVICE IND.	$1,255	$0	$0	$0	$0
FISHING & TRAPPING INDUSTRIES	$11	$0	$0	$0	$0
LOGGING & FORESTRY INDUSTRIES	$67	$0	$0	$0	$0
MINING (INC. MILLING), QUARRYING & OIL WELLS	$571	$0	$0	$0	$0
MANUFACTURING INDUSTRIES	$3,329	$1	$0	$0	$0
CONSTRUCTION INDUSTRIES	$1,237	$0	$0	$0	$0
TRANSPORTATION AND STORAGE INDUSTRIES	$1,523	$0	$0	$0	$0
COMMUNICATION & OTHER UTILITY INDUSTRIES	$1,943	$0	$0	$0	$0
WHOLESALE TRADE INDUSTRIES	$1,350	$0	$0	$0	$0
RETAIL TRADE INDUSTRIES	$1,325	$0	$0	$0	$0
FINANCE AND INSURANCE INDUSTRIES	$900	$0	$0	$0	$0
REAL ESTATE OPERATOR & INS. AGENT IND.	$2,881	$0	$0	$0	$0
BUSINESS SERVICE INDUSTRIES	$770	$0	$0	$0	$0
GOVERNMENT SERVICE INDUSTRIES	$1,867	$0	$0	$0	$0
EDUCATIONAL SERVICE INDUSTRIES	$1,445	$0	$0	$0	$0
HEALTH AND SOCIAL SERVICE INDUSTRIES	$2,046	$0	$0	$0	$0

$6	$7	$3	$1	$1	$0	$0	$0
$57	$65	$30	$2	$2	$2	$1	$0
$2	$2	$1	$0	$0	$0	$0	$0
$0	$1	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$2	$2	$1	$0	$0	$0	$0	$0
$8	$9	$4	$1	$1	$0	$0	$0

2005	2006	2007	2008	2009	2010	2011	2012
$68	**$79**	**$39**	**$9**	**$9**	**$7**	**$4**	**$2**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$9	$10	$5	$1	$1	$1	$0	$0
$13	$16	$8	$2	$2	$2	$1	$0
$1	$1	$0	$0	$0	$0	$0	$0
$7	$8	$4	$1	$1	$1	$0	$0
$3	$3	$2	$0	$0	$0	$0	$0
$11	$13	$7	$3	$3	$2	$1	$1
$1	$1	$0	$0	$0	$0	$0	$0
$2	$2	$1	$0	$0	$0	$0	$0
$1	$1	$1	$0	$0	$0	$0	$0
$17	$19	$9	$1	$1	$0	$0	$0
$1	$1	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$1	$1	$1	$0	$0	$0	$0	$0
$2	$3	$1	$0	$0	$0	$0	$0

2005	2006	2007	2008	2009	2010	2011	2012
$4	**$5**	**$2**	**$1**	**$1**	**$1**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$1	$2	$1	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$1	$1	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$1	$1	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2013	2014	2015	2016	2017	2018	2019	2020
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2013	2014	2015	2016	2017	2018	2019	2020
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2021	2022	2023	2024	2025	2026	2027	2028
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2021	2022	2023	2024	2025	2026	2027	2028
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0

2029	2030	2031
$0	**$0**	**$0**
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
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$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0

2029	2030	2031
$0	**$0**	**$0**
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
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$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0

ACCOMMODATION, FOOD & BEVERAGE SERV.	$623	$0	$0	$0	$0
OTHER SERVICE INDUSTRIES	$1,103	$0	$0	$0	$0

Saskatchewan

	Base Economy	Ann. Ave Impact	2002	2003	2004
ALL INDUSTRIES	**$25,081**	**$2**	**$0**	**$0**	**$2**
AGRICULTURAL AND RELATED SERVICE IND.	$2,771	$0	$0	$0	$0
FISHING & TRAPPING INDUSTRIES	$5	$0	$0	$0	$0
LOGGING & FORESTRY INDUSTRIES	$132	$0	$0	$0	$0
MINING (INC. MILLING), QUARRYING & OIL WELLS	$4,032	$0	$0	$0	$0
MANUFACTURING INDUSTRIES	$1,738	$1	$0	$0	$0
CONSTRUCTION INDUSTRIES	$1,399	$0	$0	$0	$0
TRANSPORTATION AND STORAGE INDUSTRIES	$1,373	$0	$0	$0	$0
COMMUNICATION & OTHER UTILITY INDUSTRIES	$1,539	$0	$0	$0	$0
WHOLESALE TRADE INDUSTRIES	$1,315	$0	$0	$0	$0
RETAIL TRADE INDUSTRIES	$1,217	$0	$0	$0	$0
FINANCE AND INSURANCE INDUSTRIES	$958	$0	$0	$0	$0
REAL ESTATE OPERATOR & INS. AGENT IND.	$2,318	$0	$0	$0	$0
BUSINESS SERVICE INDUSTRIES	$653	$0	$0	$0	$0
GOVERNMENT SERVICE INDUSTRIES	$1,287	$0	$0	$0	$0
EDUCATIONAL SERVICE INDUSTRIES	$1,393	$0	$0	$0	$0
HEALTH AND SOCIAL SERVICE INDUSTRIES	$1,570	$0	$0	$0	$0
ACCOMMODATION, FOOD & BEVERAGE SERV.	$587	$0	$0	$0	$0
OTHER SERVICE INDUSTRIES	$794	$0	$0	$0	$0

Alberta

	Base Economy	Ann. Ave Impact	2002	2003	2004
ALL INDUSTRIES	**$89,664**	**$22**	**$0**	**$0**	**$17**
AGRICULTURAL AND RELATED SERVICE IND.	$2,728	$0	$0	$0	$0
FISHING & TRAPPING INDUSTRIES	$3	$0	$0	$0	$0
LOGGING & FORESTRY INDUSTRIES	$306	$0	$0	$0	$0
MINING (INC. MILLING), QUARRYING & OIL WELLS	$20,468	$3	$0	$0	$2
MANUFACTURING INDUSTRIES	$10,035	$4	$0	$0	$3
CONSTRUCTION INDUSTRIES	$5,596	$0	$0	$0	$0
TRANSPORTATION AND STORAGE INDUSTRIES	$4,648	$2	$0	$0	$2
COMMUNICATION & OTHER UTILITY INDUSTRIES	$4,604	$1	$0	$0	$1
WHOLESALE TRADE INDUSTRIES	$4,419	$4	$0	$0	$3
RETAIL TRADE INDUSTRIES	$3,979	$0	$0	$0	$0
FINANCE AND INSURANCE INDUSTRIES	$2,925	$0	$0	$0	$0
REAL ESTATE OPERATOR & INS. AGENT IND.	$8,146	$0	$0	$0	$0
BUSINESS SERVICE INDUSTRIES	$4,353	$5	$0	$0	$5
GOVERNMENT SERVICE INDUSTRIES	$4,156	$0	$0	$0	$0
EDUCATIONAL SERVICE INDUSTRIES	$3,568	$0	$0	$0	$0
HEALTH AND SOCIAL SERVICE INDUSTRIES	$4,159	$0	$0	$0	$0
ACCOMMODATION, FOOD & BEVERAGE SERV.	$2,237	$0	$0	$0	$0
OTHER SERVICE INDUSTRIES	$3,331	$1	$0	$0	$1

Mountain and Territories

$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2005	2006	2007	2008	2009	2010	2011	2012
$5	**$6**	**$3**	**$1**	**$1**	**$1**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$1	$1	$0	$0	$0	$0	$0	$0
$2	$2	$1	$0	$0	$0	$0	$0
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$1	$1	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$1	$1	$1	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2005	2006	2007	2008	2009	2010	2011	2012
$59	**$68**	**$33**	**$7**	**$7**	**$6**	**$3**	**$1**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$8	$9	$4	$1	$1	$1	$0	$0
$10	$12	$6	$1	$1	$1	$1	$0
$0	$1	$0	$0	$0	$0	$0	$0
$6	$7	$4	$1	$1	$1	$0	$0
$2	$3	$1	$0	$0	$0	$0	$0
$9	$11	$6	$3	$3	$2	$1	$1
$1	$1	$0	$0	$0	$0	$0	$0
$1	$1	$1	$0	$0	$0	$0	$0
$1	$1	$1	$0	$0	$0	$0	$0
$16	$18	$8	$0	$0	$0	$0	$0
$0	$1	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$1	$1	$0	$0	$0	$0	$0	$0
$2	$2	$1	$0	$0	$0	$0	$0

$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2013	2014	2015	2016	2017	2018	2019	2020
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2013	2014	2015	2016	2017	2018	2019	2020
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2021	2022	2023	2024	2025	2026	2027	2028
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2021	2022	2023	2024	2025	2026	2027	2028
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
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2029	2030	2031
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2029	2030	2031
$0	**$0**	**$0**
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	Base Economy	Ann. Ave Impact	2002	2003	2004
ALL INDUSTRIES	**$97,419**	**$258**	**$0**	**$0**	**$212**
AGRICULTURAL AND RELATED SERVICE IND.	$900	$0	$0	$0	$0
FISHING & TRAPPING INDUSTRIES	$334	$0	$0	$0	$0
LOGGING & FORESTRY INDUSTRIES	$3,453	$0	$0	$0	$0
MINING (INC. MILLING), QUARRYING & OIL WELLS	$3,078	$1	$0	$0	$1
MANUFACTURING INDUSTRIES	$11,337	$14	$0	$0	$7
CONSTRUCTION INDUSTRIES	$6,420	$180	$0	$0	$155
TRANSPORTATION AND STORAGE INDUSTRIES	$5,603	$6	$0	$0	$4
COMMUNICATION & OTHER UTILITY INDUSTRIES	$5,496	$5	$0	$0	$4
WHOLESALE TRADE INDUSTRIES	$4,969	$15	$0	$0	$10
RETAIL TRADE INDUSTRIES	$6,161	$3	$0	$0	$2
FINANCE AND INSURANCE INDUSTRIES	$4,661	$6	$0	$0	$5
REAL ESTATE OPERATOR & INS. AGENT IND.	$13,217	$2	$0	$0	$1
BUSINESS SERVICE INDUSTRIES	$4,940	$18	$0	$0	$15
GOVERNMENT SERVICE INDUSTRIES	$6,094	$1	$0	$0	$1
EDUCATIONAL SERVICE INDUSTRIES	$5,381	$0	$0	$0	$0
HEALTH AND SOCIAL SERVICE INDUSTRIES	$7,164	$0	$0	$0	$0
ACCOMMODATION, FOOD & BEVERAGE SERV.	$3,728	$1	$0	$0	$1
OTHER SERVICE INDUSTRIES	$4,482	$6	$0	$0	$5

British Columbia

	Base Economy	Ann. Ave Impact	2002	2003	2004
ALL INDUSTRIES	**$93,977**	**$135**	**$0**	**$0**	**$109**
AGRICULTURAL AND RELATED SERVICE IND.	$896	$0	$0	$0	$0
FISHING & TRAPPING INDUSTRIES	$331	$0	$0	$0	$0
LOGGING & FORESTRY INDUSTRIES	$3,438	$0	$0	$0	$0
MINING (INC. MILLING), QUARRYING & OIL WELLS	$2,418	$1	$0	$0	$1
MANUFACTURING INDUSTRIES	$11,324	$13	$0	$0	$7
CONSTRUCTION INDUSTRIES	$6,105	$80	$0	$0	$71
TRANSPORTATION AND STORAGE INDUSTRIES	$5,385	$4	$0	$0	$3
COMMUNICATION & OTHER UTILITY INDUSTRIES	$5,305	$3	$0	$0	$2
WHOLESALE TRADE INDUSTRIES	$4,882	$10	$0	$0	$6
RETAIL TRADE INDUSTRIES	$5,991	$2	$0	$0	$1
FINANCE AND INSURANCE INDUSTRIES	$4,577	$3	$0	$0	$3
REAL ESTATE OPERATOR & INS. AGENT IND.	$12,869	$1	$0	$0	$1
BUSINESS SERVICE INDUSTRIES	$4,872	$12	$0	$0	$10
GOVERNMENT SERVICE INDUSTRIES	$5,504	$1	$0	$0	$0
EDUCATIONAL SERVICE INDUSTRIES	$5,139	$0	$0	$0	$0
HEALTH AND SOCIAL SERVICE INDUSTRIES	$6,972	$0	$0	$0	$0
ACCOMMODATION, FOOD & BEVERAGE SERV.	$3,603	$1	$0	$0	$1
OTHER SERVICE INDUSTRIES	$4,367	$3	$0	$0	$3

Yukon

	Base Economy	Ann. Ave Impact	2002	2003	2004
ALL INDUSTRIES	**$1,047**	**$123**	**$0**	**$0**	**$103**
AGRICULTURAL AND RELATED SERVICE IND.	$2	$0	$0	$0	$0
FISHING & TRAPPING INDUSTRIES	$0	$0	$0	$0	$0

2005	2006	2007	2008	2009	2010	2011	2012
$740	**$850**	**$396**	**$37**	**$36**	**$29**	**$15**	**$7**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$4	$4	$2	$0	$0	$0	$0	$0
$25	$31	$19	$12	$12	$10	$5	$2
$541	$617	$280	$7	$7	$5	$3	$1
$15	$18	$9	$2	$2	$1	$1	$0
$14	$16	$8	$1	$1	$1	$0	$0
$33	$40	$21	$9	$9	$7	$4	$2
$8	$10	$5	$1	$1	$1	$0	$0
$17	$19	$9	$1	$1	$1	$0	$0
$5	$6	$3	$0	$0	$0	$0	$0
$54	$62	$28	$2	$2	$1	$1	$0
$3	$3	$1	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$4	$4	$2	$0	$0	$0	$0	$0
$17	$19	$9	$1	$1	$0	$0	$0

2005	2006	2007	2008	2009	2010	2011	2012
$377	**$429**	**$203**	**$28**	**$27**	**$22**	**$11**	**$6**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$3	$4	$2	$0	$0	$0	$0	$0
$23	$29	$18	$12	$12	$10	$5	$2
$243	$273	$123	$3	$3	$2	$1	$1
$11	$13	$6	$1	$1	$1	$1	$0
$8	$9	$5	$1	$1	$1	$0	$0
$21	$25	$14	$6	$6	$5	$2	$1
$5	$5	$3	$0	$0	$0	$0	$0
$9	$10	$5	$1	$1	$0	$0	$0
$3	$4	$2	$0	$0	$0	$0	$0
$36	$41	$19	$2	$2	$1	$1	$0
$2	$2	$1	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$2	$3	$1	$0	$0	$0	$0	$0
$9	$10	$5	$0	$0	$0	$0	$0

2005	2006	2007	2008	2009	2010	2011	2012
$362	**$419**	**$192**	**$9**	**$9**	**$7**	**$4**	**$2**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2013	2014	2015	2016	2017	2018	2019	2020
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2013	2014	2015	2016	2017	2018	2019	2020
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2013	2014	2015	2016	2017	2018	2019	2020
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2021	2022	2023	2024	2025	2026	2027	2028
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2021	2022	2023	2024	2025	2026	2027	2028
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2021	2022	2023	2024	2025	2026	2027	2028
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2029	2030	2031
$0	**$0**	**$0**
$0	$0	$0
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2029	2030	2031
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2029	2030	2031
$0	**$0**	**$0**
$0	$0	$0
$0	$0	$0

LOGGING & FORESTRY INDUSTRIES	$2	$0	$0	$0	$0
MINING (INC. MILLING), QUARRYING & OIL WELLS	$158	$0	$0	$0	$0
MANUFACTURING INDUSTRIES	$6	$1	$0	$0	$0
CONSTRUCTION INDUSTRIES	$79	$100	$0	$0	$85
TRANSPORTATION AND STORAGE INDUSTRIES	$50	$1	$0	$0	$1
COMMUNICATION & OTHER UTILITY INDUSTRIES	$62	$2	$0	$0	$2
WHOLESALE TRADE INDUSTRIES	$41	$5	$0	$0	$3
RETAIL TRADE INDUSTRIES	$54	$1	$0	$0	$1
FINANCE AND INSURANCE INDUSTRIES	$33	$3	$0	$0	$2
REAL ESTATE OPERATOR & INS. AGENT IND.	$102	$1	$0	$0	$0
BUSINESS SERVICE INDUSTRIES	$20	$6	$0	$0	$5
GOVERNMENT SERVICE INDUSTRIES	$204	$0	$0	$0	$0
EDUCATIONAL SERVICE INDUSTRIES	$68	$0	$0	$0	$0
HEALTH AND SOCIAL SERVICE INDUSTRIES	$59	$0	$0	$0	$0
ACCOMMODATION, FOOD & BEVERAGE SERV.	$59	$0	$0	$0	$0
OTHER SERVICE INDUSTRIES	$47	$2	$0	$0	$2

North West Territories & Nunavut

	Base Economy	Ann. Ave Impact	2002	2003	2004
ALL INDUSTRIES	**$2,395**	**$0**	**$0**	**$0**	**$0**
AGRICULTURAL AND RELATED SERVICE IND.	$2	$0	$0	$0	$0
FISHING & TRAPPING INDUSTRIES	$3	$0	$0	$0	$0
LOGGING & FORESTRY INDUSTRIES	$12	$0	$0	$0	$0
MINING (INC. MILLING), QUARRYING & OIL WELLS	$503	$0	$0	$0	$0
MANUFACTURING INDUSTRIES	$7	$0	$0	$0	$0
CONSTRUCTION INDUSTRIES	$236	$0	$0	$0	$0
TRANSPORTATION AND STORAGE INDUSTRIES	$168	$0	$0	$0	$0
COMMUNICATION & OTHER UTILITY INDUSTRIES	$129	$0	$0	$0	$0
WHOLESALE TRADE INDUSTRIES	$47	$0	$0	$0	$0
RETAIL TRADE INDUSTRIES	$116	$0	$0	$0	$0
FINANCE AND INSURANCE INDUSTRIES	$51	$0	$0	$0	$0
REAL ESTATE OPERATOR & INS. AGENT IND.	$247	$0	$0	$0	$0
BUSINESS SERVICE INDUSTRIES	$47	$0	$0	$0	$0
GOVERNMENT SERVICE INDUSTRIES	$386	$0	$0	$0	$0
EDUCATIONAL SERVICE INDUSTRIES	$174	$0	$0	$0	$0
HEALTH AND SOCIAL SERVICE INDUSTRIES	$133	$0	$0	$0	$0
ACCOMMODATION, FOOD & BEVERAGE SERV.	$66	$0	$0	$0	$0
OTHER SERVICE INDUSTRIES	$67	$0	$0	$0	$0

$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$2	$2	$1	$0	$0	$0	$0	$0
$298	$345	$157	$4	$4	$3	$2	$1
$4	$5	$2	$0	$0	$0	$0	$0
$5	$6	$3	$0	$0	$0	$0	$0
$12	$14	$8	$3	$3	$3	$1	$1
$4	$4	$2	$0	$0	$0	$0	$0
$8	$9	$4	$0	$0	$0	$0	$0
$2	$2	$1	$0	$0	$0	$0	$0
$18	$21	$10	$0	$0	$0	$0	$0
$1	$1	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$1	$1	$1	$0	$0	$0	$0	$0
$7	$8	$4	$0	$0	$0	$0	$0

2005	2006	2007	2008	2009	2010	2011	2012
$1	**$1**	**$1**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2013	2014	2015	2016	2017	2018	2019	2020
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0

2021	2022	2023	2024	2025	2026	2027	2028
$0	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
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$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0

2029	2030	2031
$0	**$0**	**$0**
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
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$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0
$0	$0	$0

EMPLOYMENT (in person years)

Canada

	Ann. Ave Impact	2002	2003
ALL INDUSTRIES	**5,554**	**0**	**0**
AGRICULTURAL AND RELATED SERVICE IND.	8	0	0
FISHING & TRAPPING INDUSTRIES	0	0	0
LOGGING & FORESTRY INDUSTRIES	3	0	0
MINING (INC. MILLING), QUARRYING & OIL WELLS	16	0	0
MANUFACTURING INDUSTRIES	951	0	0
CONSTRUCTION INDUSTRIES	1,942	0	0
TRANSPORTATION AND STORAGE INDUSTRIES	207	0	0
COMMUNICATION & OTHER UTILITY INDUSTRIES	106	0	0
WHOLESALE TRADE INDUSTRIES	477	0	0
RETAIL TRADE INDUSTRIES	172	0	0
FINANCE AND INSURANCE INDUSTRIES	189	0	0
REAL ESTATE OPERATOR & INS. AGENT IND.	41	0	0
BUSINESS SERVICE INDUSTRIES	1,068	0	0
GOVERNMENT SERVICE INDUSTRIES	37	0	0
EDUCATIONAL SERVICE INDUSTRIES	9	0	0
HEALTH AND SOCIAL SERVICE INDUSTRIES	7	0	0
ACCOMMODATION, FOOD & BEVERAGE SERV.	82	0	0
OTHER SERVICE INDUSTRIES	238	0	0

Atlantic

	Ann. Ave Impact	2002	2003
ALL INDUSTRIES	**40**	**0**	**0**
AGRICULTURAL AND RELATED SERVICE IND.	0	0	0
FISHING & TRAPPING INDUSTRIES	0	0	0
LOGGING & FORESTRY INDUSTRIES	0	0	0
MINING (INC. MILLING), QUARRYING & OIL WELLS	1	0	0
MANUFACTURING INDUSTRIES	28	0	0
CONSTRUCTION INDUSTRIES	1	0	0
TRANSPORTATION AND STORAGE INDUSTRIES	2	0	0
COMMUNICATION & OTHER UTILITY INDUSTRIES	2	0	0
WHOLESALE TRADE INDUSTRIES	2	0	0
RETAIL TRADE INDUSTRIES	1	0	0
FINANCE AND INSURANCE INDUSTRIES	1	0	0
REAL ESTATE OPERATOR & INS. AGENT IND.	0	0	0
BUSINESS SERVICE INDUSTRIES	1	0	0
GOVERNMENT SERVICE INDUSTRIES	0	0	0
EDUCATIONAL SERVICE INDUSTRIES	0	0	0
HEALTH AND SOCIAL SERVICE INDUSTRIES	0	0	0
ACCOMMODATION, FOOD & BEVERAGE SERV.	1	0	0
OTHER SERVICE INDUSTRIES	1	0	0

Newfoundland

2004	2005	2006	2007	2008	2009	2010	2011
4,236	**14,732**	**17,110**	**8,314**	**1,656**	**1,637**	**1,305**	**663**
6	20	24	12	3	3	2	1
0	1	1	1	0	0	0	0
2	7	8	4	1	1	1	0
12	42	48	24	5	5	4	2
512	1,765	2,183	1,294	825	823	658	330
1,672	5,829	6,652	3,024	93	85	67	38
152	529	618	307	77	76	61	31
78	272	318	157	37	37	29	15
306	1,061	1,268	679	289	288	230	116
129	448	522	256	58	58	46	23
150	523	604	287	42	41	33	17
32	111	129	62	10	10	8	4
888	3,093	3,547	1,643	131	127	101	53
28	99	115	55	10	10	8	4
8	27	31	14	1	1	1	1
5	18	21	11	2	2	2	1
63	220	255	123	23	23	18	9
191	666	768	362	46	45	36	19

2004	2005	2006	2007	2008	2009	2010	2011
33	**115**	**132**	**62**	**7**	**7**	**5**	**3**
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	1	1	0	0	0	0	0
1	2	2	1	0	0	0	0
24	82	94	43	3	2	2	1
0	1	2	1	0	0	0	0
2	5	6	3	1	1	1	0
1	5	5	3	1	1	0	0
1	4	5	3	1	1	1	0
1	3	3	2	0	0	0	0
1	2	2	1	0	0	0	0
0	1	1	0	0	0	0	0
1	3	4	2	0	0	0	0
0	1	1	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
1	2	3	1	0	0	0	0
0	2	2	1	0	0	0	0

2012	2013	2014	2015	2016	2017	2018	2019
331	**0**	**0**	**0**	**0**	**0**	**0**	**0**
1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0

2012	2013	2014	2015	2016	2017	2018	2019
1	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

2020	2021	2022	2023	2024	2025	2026	2027	2028
0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

2020	2021	2022	2023	2024	2025	2026	2027	2028
0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

2029	2030	2031
0	**0**	**0**
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
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0	0	0
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0	0	0
0	0	0
0	0	0
0	0	0
0	0	0

2029	2030	2031
0	**0**	**0**
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
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0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0

	Ann. Ave Impact	2002	2003
ALL INDUSTRIES	**9**	**0**	**0**
AGRICULTURAL AND RELATED SERVICE IND.	0	0	0
FISHING & TRAPPING INDUSTRIES	0	0	0
LOGGING & FORESTRY INDUSTRIES	0	0	0
MINING (INC. MILLING), QUARRYING & OIL WELLS	1	0	0
MANUFACTURING INDUSTRIES	7	0	0
CONSTRUCTION INDUSTRIES	0	0	0
TRANSPORTATION AND STORAGE INDUSTRIES	0	0	0
COMMUNICATION & OTHER UTILITY INDUSTRIES	0	0	0
WHOLESALE TRADE INDUSTRIES	0	0	0
RETAIL TRADE INDUSTRIES	0	0	0
FINANCE AND INSURANCE INDUSTRIES	0	0	0
REAL ESTATE OPERATOR & INS. AGENT IND.	0	0	0
BUSINESS SERVICE INDUSTRIES	0	0	0
GOVERNMENT SERVICE INDUSTRIES	0	0	0
EDUCATIONAL SERVICE INDUSTRIES	0	0	0
HEALTH AND SOCIAL SERVICE INDUSTRIES	0	0	0
ACCOMMODATION, FOOD & BEVERAGE SERV.	0	0	0
OTHER SERVICE INDUSTRIES	0	0	0

Prince Edward Island

	Ann. Ave Impact	2002	2003
ALL INDUSTRIES	**1**	**0**	**0**
AGRICULTURAL AND RELATED SERVICE IND.	0	0	0
FISHING & TRAPPING INDUSTRIES	0	0	0
LOGGING & FORESTRY INDUSTRIES	0	0	0
MINING (INC. MILLING), QUARRYING & OIL WELLS	0	0	0
MANUFACTURING INDUSTRIES	0	0	0
CONSTRUCTION INDUSTRIES	0	0	0
TRANSPORTATION AND STORAGE INDUSTRIES	0	0	0
COMMUNICATION & OTHER UTILITY INDUSTRIES	0	0	0
WHOLESALE TRADE INDUSTRIES	0	0	0
RETAIL TRADE INDUSTRIES	0	0	0
FINANCE AND INSURANCE INDUSTRIES	0	0	0
REAL ESTATE OPERATOR & INS. AGENT IND.	0	0	0
BUSINESS SERVICE INDUSTRIES	0	0	0
GOVERNMENT SERVICE INDUSTRIES	0	0	0
EDUCATIONAL SERVICE INDUSTRIES	0	0	0
HEALTH AND SOCIAL SERVICE INDUSTRIES	0	0	0
ACCOMMODATION, FOOD & BEVERAGE SERV.	0	0	0
OTHER SERVICE INDUSTRIES	0	0	0

Nova Scotia

	Ann. Ave Impact	2002	2003
ALL INDUSTRIES	**6**	**0**	**0**
AGRICULTURAL AND RELATED SERVICE IND.	0	0	0

2004	2005	2006	2007	2008	2009	2010	2011
7	**26**	**30**	**14**	**1**	**1**	**1**	**0**
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	1	2	1	0	0	0	0
6	20	23	10	0	0	0	0
0	0	0	0	0	0	0	0
0	1	1	0	0	0	0	0
0	1	1	1	0	0	0	0
0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

2004	2005	2006	2007	2008	2009	2010	2011
1	**2**	**2**	**1**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	1	1	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

2004	2005	2006	2007	2008	2009	2010	2011
5	**17**	**19**	**10**	**2**	**2**	**2**	**1**
0	0	0	0	0	0	0	0

2012	2013	2014	2015	2016	2017	2018	2019
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

2012	2013	2014	2015	2016	2017	2018	2019
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

2012	2013	2014	2015	2016	2017	2018	2019
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

2020	2021	2022	2023	2024	2025	2026	2027	2028
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
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2020	2021	2022	2023	2024	2025	2026	2027	2028
0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

2020	2021	2022	2023	2024	2025	2026	2027	2028
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

2029	2030	2031
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2029	2030	2031
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0	0	0

2029	2030	2031
0	0	0
0	0	0

FISHING & TRAPPING INDUSTRIES	0	0	0
LOGGING & FORESTRY INDUSTRIES	0	0	0
MINING (INC. MILLING), QUARRYING & OIL WELLS	0	0	0
MANUFACTURING INDUSTRIES	2	0	0
CONSTRUCTION INDUSTRIES	0	0	0
TRANSPORTATION AND STORAGE INDUSTRIES	1	0	0
COMMUNICATION & OTHER UTILITY INDUSTRIES	1	0	0
WHOLESALE TRADE INDUSTRIES	1	0	0
RETAIL TRADE INDUSTRIES	0	0	0
FINANCE AND INSURANCE INDUSTRIES	0	0	0
REAL ESTATE OPERATOR & INS. AGENT IND.	0	0	0
BUSINESS SERVICE INDUSTRIES	1	0	0
GOVERNMENT SERVICE INDUSTRIES	0	0	0
EDUCATIONAL SERVICE INDUSTRIES	0	0	0
HEALTH AND SOCIAL SERVICE INDUSTRIES	0	0	0
ACCOMMODATION, FOOD & BEVERAGE SERV.	0	0	0
OTHER SERVICE INDUSTRIES	0	0	0

New Brunswick

	Ann. Ave Impact	2002	2003
ALL INDUSTRIES	**24**	**0**	**0**
AGRICULTURAL AND RELATED SERVICE IND.	0	0	0
FISHING & TRAPPING INDUSTRIES	0	0	0
LOGGING & FORESTRY INDUSTRIES	0	0	0
MINING (INC. MILLING), QUARRYING & OIL WELLS	0	0	0
MANUFACTURING INDUSTRIES	19	0	0
CONSTRUCTION INDUSTRIES	0	0	0
TRANSPORTATION AND STORAGE INDUSTRIES	1	0	0
COMMUNICATION & OTHER UTILITY INDUSTRIES	1	0	0
WHOLESALE TRADE INDUSTRIES	1	0	0
RETAIL TRADE INDUSTRIES	1	0	0
FINANCE AND INSURANCE INDUSTRIES	0	0	0
REAL ESTATE OPERATOR & INS. AGENT IND.	0	0	0
BUSINESS SERVICE INDUSTRIES	0	0	0
GOVERNMENT SERVICE INDUSTRIES	0	0	0
EDUCATIONAL SERVICE INDUSTRIES	0	0	0
HEALTH AND SOCIAL SERVICE INDUSTRIES	0	0	0
ACCOMMODATION, FOOD & BEVERAGE SERV.	0	0	0
OTHER SERVICE INDUSTRIES	0	0	0

Central Canada

	Ann. Ave Impact	2002	2003
ALL INDUSTRIES	**1,483**	**0**	**0**
AGRICULTURAL AND RELATED SERVICE IND.	3	0	0
FISHING & TRAPPING INDUSTRIES	0	0	0
LOGGING & FORESTRY INDUSTRIES	1	0	0
MINING (INC. MILLING), QUARRYING & OIL WELLS	3	0	0
MANUFACTURING INDUSTRIES	601	0	0
CONSTRUCTION INDUSTRIES	17	0	0

0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
2	6	7	4	1	1	1	0
0	0	0	0	0	0	0	0
0	2	2	1	0	0	0	0
0	2	2	1	0	0	0	0
0	1	2	1	0	0	0	0
0	1	1	0	0	0	0	0
0	1	1	0	0	0	0	0
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0	2	2	1	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	1	1	0	0	0	0	0
0	0	1	0	0	0	0	0

2004	2005	2006	2007	2008	2009	2010	2011
20	**70**	**80**	**37**	**3**	**3**	**2**	**1**
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0
16	55	63	29	1	1	1	1
0	1	1	1	0	0	0	0
1	2	3	1	0	0	0	0
1	2	2	1	0	0	0	0
1	2	3	1	0	0	0	0
1	2	2	1	0	0	0	0
0	1	1	0	0	0	0	0
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0	1	1	1	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	1	1	1	0	0	0	0
0	1	1	0	0	0	0	0

2004	2005	2006	2007	2008	2009	2010	2011
976	**3,383**	**4,026**	**2,126**	**837**	**833**	**666**	**335**
2	7	8	4	1	1	1	0
0	0	0	0	0	0	0	0
1	2	2	1	0	0	0	0
2	7	8	4	2	2	1	1
304	1,044	1,309	806	574	573	458	229
11	38	45	24	9	9	7	4

0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

2012	2013	2014	2015	2016	2017	2018	2019
1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

2012	2013	2014	2015	2016	2017	2018	2019
167	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0

2020	2021	2022	2023	2024	2025	2026	2027	2028
0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

2020	2021	2022	2023	2024	2025	2026	2027	2028
0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
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2029	2030	2031
0	**0**	**0**
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2029	2030	2031
0	**0**	**0**
0	0	0
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0	0	0
0	0	0

TRANSPORTATION AND STORAGE INDUSTRIES	34	0	0
COMMUNICATION & OTHER UTILITY INDUSTRIES	43	0	0
WHOLESALE TRADE INDUSTRIES	117	0	0
RETAIL TRADE INDUSTRIES	43	0	0
FINANCE AND INSURANCE INDUSTRIES	75	0	0
REAL ESTATE OPERATOR & INS. AGENT IND.	22	0	0
BUSINESS SERVICE INDUSTRIES	411	0	0
GOVERNMENT SERVICE INDUSTRIES	16	0	0
EDUCATIONAL SERVICE INDUSTRIES	4	0	0
HEALTH AND SOCIAL SERVICE INDUSTRIES	3	0	0
ACCOMMODATION, FOOD & BEVERAGE SERV.	26	0	0
OTHER SERVICE INDUSTRIES	65	0	0

Quebec

	Ann. Ave Impact	2002	2003
ALL INDUSTRIES	**203**	**0**	**0**
AGRICULTURAL AND RELATED SERVICE IND.	1	0	0
FISHING & TRAPPING INDUSTRIES	0	0	0
LOGGING & FORESTRY INDUSTRIES	0	0	0
MINING (INC. MILLING), QUARRYING & OIL WELLS	2	0	0
MANUFACTURING INDUSTRIES	125	0	0
CONSTRUCTION INDUSTRIES	2	0	0
TRANSPORTATION AND STORAGE INDUSTRIES	9	0	0
COMMUNICATION & OTHER UTILITY INDUSTRIES	7	0	0
WHOLESALE TRADE INDUSTRIES	16	0	0
RETAIL TRADE INDUSTRIES	5	0	0
FINANCE AND INSURANCE INDUSTRIES	8	0	0
REAL ESTATE OPERATOR & INS. AGENT IND.	2	0	0
BUSINESS SERVICE INDUSTRIES	15	0	0
GOVERNMENT SERVICE INDUSTRIES	2	0	0
EDUCATIONAL SERVICE INDUSTRIES	0	0	0
HEALTH AND SOCIAL SERVICE INDUSTRIES	0	0	0
ACCOMMODATION, FOOD & BEVERAGE SERV.	2	0	0
OTHER SERVICE INDUSTRIES	6	0	0

Ontario

	Ann. Ave Impact	2002	2003
ALL INDUSTRIES	**1,280**	**0**	**0**
AGRICULTURAL AND RELATED SERVICE IND.	2	0	0
FISHING & TRAPPING INDUSTRIES	0	0	0
LOGGING & FORESTRY INDUSTRIES	0	0	0
MINING (INC. MILLING), QUARRYING & OIL WELLS	1	0	0
MANUFACTURING INDUSTRIES	476	0	0
CONSTRUCTION INDUSTRIES	15	0	0
TRANSPORTATION AND STORAGE INDUSTRIES	25	0	0
COMMUNICATION & OTHER UTILITY INDUSTRIES	36	0	0
WHOLESALE TRADE INDUSTRIES	101	0	0
RETAIL TRADE INDUSTRIES	38	0	0
FINANCE AND INSURANCE INDUSTRIES	67	0	0

23	80	95	49	18	18	14	7
30	105	123	62	19	18	15	7
77	267	317	168	66	66	53	26
29	101	119	62	23	23	18	9
57	199	231	112	22	22	17	9
17	59	68	33	5	5	4	2
336	1,171	1,346	629	64	62	50	26
12	42	49	24	5	5	4	2
4	12	14	7	1	1	1	0
2	7	9	4	1	1	1	1
19	68	79	39	9	8	7	3
50	174	202	98	19	18	15	7

2004	2005	2006	2007	2008	2009	2010	2011
124	**428**	**516**	**285**	**140**	**139**	**111**	**56**
1	3	3	2	0	0	0	0
0	0	0	0	0	0	0	0
0	1	1	1	0	0	0	0
1	4	5	3	1	1	1	0
73	251	306	174	96	96	76	38
1	4	4	2	1	1	1	0
6	21	25	13	5	5	4	2
4	16	18	9	3	3	3	1
9	33	40	23	12	12	10	5
3	11	14	7	3	3	3	1
6	19	23	11	3	3	2	1
2	6	7	3	1	1	1	0
9	33	39	21	8	8	7	3
1	4	5	3	1	1	1	0
0	0	0	0	0	0	0	0
0	1	1	0	0	0	0	0
2	6	7	4	1	1	1	1
4	15	17	9	3	3	2	1

2004	2005	2006	2007	2008	2009	2010	2011
852	**2,955**	**3,509**	**1,841**	**697**	**694**	**554**	**279**
1	4	5	3	1	1	1	0
0	0	0	0	0	0	0	0
0	1	1	1	0	0	0	0
1	3	3	2	1	1	1	0
231	793	1,003	632	478	477	381	191
10	35	41	21	8	8	6	3
17	59	69	36	13	13	10	5
26	89	105	53	15	15	12	6
67	234	277	145	54	53	43	22
26	89	106	55	20	20	16	8
52	180	209	101	19	19	15	8

4	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0

2012	2013	2014	2015	2016	2017	2018	2019
28	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0

2012	2013	2014	2015	2016	2017	2018	2019
140	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
96	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0

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2020	2021	2022	2023	2024	2025	2026	2027	2028
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2020	2021	2022	2023	2024	2025	2026	2027	2028
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
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2029	2030	2031
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2029	2030	2031
0	**0**	**0**
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0

REAL ESTATE OPERATOR & INS. AGENT IND.	19	0	0
BUSINESS SERVICE INDUSTRIES	396	0	0
GOVERNMENT SERVICE INDUSTRIES	14	0	0
EDUCATIONAL SERVICE INDUSTRIES	4	0	0
HEALTH AND SOCIAL SERVICE INDUSTRIES	3	0	0
ACCOMMODATION, FOOD & BEVERAGE SERV.	23	0	0
OTHER SERVICE INDUSTRIES	59	0	0

Prairies

	Ann. Ave Impact	2002	2003
ALL INDUSTRIES	**453**	**0**	**0**
AGRICULTURAL AND RELATED SERVICE IND.	3	0	0
FISHING & TRAPPING INDUSTRIES	0	0	0
LOGGING & FORESTRY INDUSTRIES	0	0	0
MINING (INC. MILLING), QUARRYING & OIL WELLS	8	0	0
MANUFACTURING INDUSTRIES	78	0	0
CONSTRUCTION INDUSTRIES	6	0	0
TRANSPORTATION AND STORAGE INDUSTRIES	59	0	0
COMMUNICATION & OTHER UTILITY INDUSTRIES	11	0	0
WHOLESALE TRADE INDUSTRIES	86	0	0
RETAIL TRADE INDUSTRIES	15	0	0
FINANCE AND INSURANCE INDUSTRIES	13	0	0
REAL ESTATE OPERATOR & INS. AGENT IND.	4	0	0
BUSINESS SERVICE INDUSTRIES	129	0	0
GOVERNMENT SERVICE INDUSTRIES	4	0	0
EDUCATIONAL SERVICE INDUSTRIES	1	0	0
HEALTH AND SOCIAL SERVICE INDUSTRIES	1	0	0
ACCOMMODATION, FOOD & BEVERAGE SERV.	14	0	0
OTHER SERVICE INDUSTRIES	22	0	0

Manitoba

	Ann. Ave Impact	2002	2003
ALL INDUSTRIES	**35**	**0**	**0**
AGRICULTURAL AND RELATED SERVICE IND.	1	0	0
FISHING & TRAPPING INDUSTRIES	0	0	0
LOGGING & FORESTRY INDUSTRIES	0	0	0
MINING (INC. MILLING), QUARRYING & OIL WELLS	1	0	0
MANUFACTURING INDUSTRIES	12	0	0
CONSTRUCTION INDUSTRIES	1	0	0
TRANSPORTATION AND STORAGE INDUSTRIES	5	0	0
COMMUNICATION & OTHER UTILITY INDUSTRIES	1	0	0
WHOLESALE TRADE INDUSTRIES	6	0	0
RETAIL TRADE INDUSTRIES	1	0	0
FINANCE AND INSURANCE INDUSTRIES	2	0	0
REAL ESTATE OPERATOR & INS. AGENT IND.	0	0	0
BUSINESS SERVICE INDUSTRIES	2	0	0
GOVERNMENT SERVICE INDUSTRIES	0	0	0
EDUCATIONAL SERVICE INDUSTRIES	0	0	0
HEALTH AND SOCIAL SERVICE INDUSTRIES	0	0	0

15	53	62	29	4	4	4	2
327	1,139	1,307	608	55	54	43	22
11	37	43	21	4	4	3	2
3	12	14	6	1	1	0	0
2	7	8	4	1	1	1	0
18	62	72	35	7	7	6	3
46	159	184	89	16	16	12	6

2004	2005	2006	2007	2008	2009	2010	2011
336	**1,166**	**1,361**	**673**	**161**	**160**	**128**	**65**
2	9	10	5	1	1	1	1
0	0	0	0	0	0	0	0
0	1	1	0	0	0	0	0
6	21	25	12	2	2	2	1
54	188	221	113	37	37	29	15
4	15	17	9	2	2	2	1
42	145	171	86	25	25	20	10
8	26	31	16	4	4	3	2
54	187	224	121	54	54	43	22
11	38	44	22	5	5	4	2
10	34	40	19	4	4	3	2
3	10	11	6	1	1	1	1
108	377	432	199	14	13	10	6
3	11	13	6	1	1	1	1
1	3	4	2	0	0	0	0
1	3	3	2	0	0	0	0
11	38	44	21	4	4	3	2
17	60	70	33	5	5	4	2

2004	2005	2006	2007	2008	2009	2010	2011
24	**83**	**98**	**51**	**17**	**17**	**14**	**7**
0	2	2	1	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
1	2	2	1	1	1	0	0
8	29	34	18	6	6	5	2
0	1	2	1	0	0	0	0
3	12	14	7	2	2	2	1
1	3	4	2	1	1	0	0
4	13	15	8	4	4	3	1
1	3	4	2	0	0	0	0
1	5	5	3	1	1	0	0
0	1	1	1	0	0	0	0
1	4	5	3	1	1	1	0
0	1	1	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

1	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0

2012	2013	2014	2015	2016	2017	2018	2019
32	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0

2012	2013	2014	2015	2016	2017	2018	2019
3	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

2020	2021	2022	2023	2024	2025	2026	2027	2028
0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

2020	2021	2022	2023	2024	2025	2026	2027	2028
0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0

2029	2030	2031
0	**0**	**0**
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0

2029	2030	2031
0	**0**	**0**
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0

ACCOMMODATION, FOOD & BEVERAGE SERV.	2	0	0
OTHER SERVICE INDUSTRIES	1	0	0

Saskatchewan

	Ann. Ave Impact	2002	2003
ALL INDUSTRIES	**38**	**0**	**0**
AGRICULTURAL AND RELATED SERVICE IND.	1	0	0
FISHING & TRAPPING INDUSTRIES	0	0	0
LOGGING & FORESTRY INDUSTRIES	0	0	0
MINING (INC. MILLING), QUARRYING & OIL WELLS	0	0	0
MANUFACTURING INDUSTRIES	12	0	0
CONSTRUCTION INDUSTRIES	1	0	0
TRANSPORTATION AND STORAGE INDUSTRIES	3	0	0
COMMUNICATION & OTHER UTILITY INDUSTRIES	1	0	0
WHOLESALE TRADE INDUSTRIES	5	0	0
RETAIL TRADE INDUSTRIES	1	0	0
FINANCE AND INSURANCE INDUSTRIES	2	0	0
REAL ESTATE OPERATOR & INS. AGENT IND.	0	0	0
BUSINESS SERVICE INDUSTRIES	8	0	0
GOVERNMENT SERVICE INDUSTRIES	1	0	0
EDUCATIONAL SERVICE INDUSTRIES	0	0	0
HEALTH AND SOCIAL SERVICE INDUSTRIES	0	0	0
ACCOMMODATION, FOOD & BEVERAGE SERV.	2	0	0
OTHER SERVICE INDUSTRIES	1	0	0

Alberta

	Ann. Ave Impact	2002	2003
ALL INDUSTRIES	**381**	**0**	**0**
AGRICULTURAL AND RELATED SERVICE IND.	2	0	0
FISHING & TRAPPING INDUSTRIES	0	0	0
LOGGING & FORESTRY INDUSTRIES	0	0	0
MINING (INC. MILLING), QUARRYING & OIL WELLS	7	0	0
MANUFACTURING INDUSTRIES	54	0	0
CONSTRUCTION INDUSTRIES	5	0	0
TRANSPORTATION AND STORAGE INDUSTRIES	51	0	0
COMMUNICATION & OTHER UTILITY INDUSTRIES	8	0	0
WHOLESALE TRADE INDUSTRIES	75	0	0
RETAIL TRADE INDUSTRIES	12	0	0
FINANCE AND INSURANCE INDUSTRIES	10	0	0
REAL ESTATE OPERATOR & INS. AGENT IND.	3	0	0
BUSINESS SERVICE INDUSTRIES	119	0	0
GOVERNMENT SERVICE INDUSTRIES	3	0	0
EDUCATIONAL SERVICE INDUSTRIES	1	0	0
HEALTH AND SOCIAL SERVICE INDUSTRIES	1	0	0
ACCOMMODATION, FOOD & BEVERAGE SERV.	11	0	0
OTHER SERVICE INDUSTRIES	20	0	0

Mountain and Territories

1	5	5	3	1	1	0	0
1	3	3	2	0	0	0	0

2004	2005	2006	2007	2008	2009	2010	2011
26	**91**	**107**	**55**	**18**	**18**	**14**	**7**
1	3	4	2	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	1	1	1	0	0	0	0
7	25	30	17	9	9	7	4
0	1	2	1	0	0	0	0
2	6	7	4	1	1	1	0
1	3	3	2	1	1	0	0
3	10	12	7	3	3	3	1
1	3	4	2	0	0	0	0
1	4	5	2	1	1	0	0
0	1	1	0	0	0	0	0
7	23	27	12	1	1	1	0
0	2	2	1	0	0	0	0
0	1	1	0	0	0	0	0
0	1	1	0	0	0	0	0
1	4	5	2	1	1	0	0
1	2	3	1	0	0	0	0

2004	2005	2006	2007	2008	2009	2010	2011
285	**992**	**1,155**	**567**	**126**	**125**	**100**	**51**
1	4	5	2	1	1	1	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
5	18	21	10	2	2	1	1
39	134	157	79	22	22	17	9
3	12	14	7	2	2	1	1
37	127	149	75	21	21	17	8
6	20	24	12	3	3	3	1
47	164	197	106	47	47	37	19
9	32	37	18	4	4	3	2
7	25	30	14	3	3	2	1
2	8	9	5	1	1	1	0
100	349	400	184	12	11	9	5
3	9	10	5	1	1	1	0
1	3	3	1	0	0	0	0
1	2	3	1	0	0	0	0
8	29	34	16	3	3	2	1
16	55	63	30	5	5	4	2

0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

2012	2013	2014	2015	2016	2017	2018	2019
4	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

2012	2013	2014	2015	2016	2017	2018	2019
25	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

2020	2021	2022	2023	2024	2025	2026	2027	2028
0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

2020	2021	2022	2023	2024	2025	2026	2027	2028
0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

0	0	0
0	0	0

2029	2030	2031
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
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0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0

2029	2030	2031
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
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0	0	0
0	0	0

	Ann. Ave Impact	2002	2003
ALL INDUSTRIES	**3,577**	**0**	**0**
AGRICULTURAL AND RELATED SERVICE IND.	2	0	0
FISHING & TRAPPING INDUSTRIES	0	0	0
LOGGING & FORESTRY INDUSTRIES	1	0	0
MINING (INC. MILLING), QUARRYING & OIL WELLS	4	0	0
MANUFACTURING INDUSTRIES	244	0	0
CONSTRUCTION INDUSTRIES	1,919	0	0
TRANSPORTATION AND STORAGE INDUSTRIES	112	0	0
COMMUNICATION & OTHER UTILITY INDUSTRIES	51	0	0
WHOLESALE TRADE INDUSTRIES	273	0	0
RETAIL TRADE INDUSTRIES	113	0	0
FINANCE AND INSURANCE INDUSTRIES	101	0	0
REAL ESTATE OPERATOR & INS. AGENT IND.	15	0	0
BUSINESS SERVICE INDUSTRIES	526	0	0
GOVERNMENT SERVICE INDUSTRIES	16	0	0
EDUCATIONAL SERVICE INDUSTRIES	4	0	0
HEALTH AND SOCIAL SERVICE INDUSTRIES	3	0	0
ACCOMMODATION, FOOD & BEVERAGE SERV.	41	0	0
OTHER SERVICE INDUSTRIES	150	0	0

British Columbia

	Ann. Ave Impact	2002	2003
ALL INDUSTRIES	**1,981**	**0**	**0**
AGRICULTURAL AND RELATED SERVICE IND.	2	0	0
FISHING & TRAPPING INDUSTRIES	0	0	0
LOGGING & FORESTRY INDUSTRIES	1	0	0
MINING (INC. MILLING), QUARRYING & OIL WELLS	4	0	0
MANUFACTURING INDUSTRIES	229	0	0
CONSTRUCTION INDUSTRIES	858	0	0
TRANSPORTATION AND STORAGE INDUSTRIES	81	0	0
COMMUNICATION & OTHER UTILITY INDUSTRIES	33	0	0
WHOLESALE TRADE INDUSTRIES	175	0	0
RETAIL TRADE INDUSTRIES	64	0	0
FINANCE AND INSURANCE INDUSTRIES	55	0	0
REAL ESTATE OPERATOR & INS. AGENT IND.	10	0	0
BUSINESS SERVICE INDUSTRIES	336	0	0
GOVERNMENT SERVICE INDUSTRIES	11	0	0
EDUCATIONAL SERVICE INDUSTRIES	3	0	0
HEALTH AND SOCIAL SERVICE INDUSTRIES	3	0	0
ACCOMMODATION, FOOD & BEVERAGE SERV.	28	0	0
OTHER SERVICE INDUSTRIES	90	0	0

Yukon

	Ann. Ave Impact	2002	2003
ALL INDUSTRIES	**1,587**	**0**	**0**
AGRICULTURAL AND RELATED SERVICE IND.	0	0	0
FISHING & TRAPPING INDUSTRIES	0	0	0

2004	2005	2006	2007	2008	2009	2010	2011
2,892	**10,068**	**11,592**	**5,454**	**650**	**637**	**506**	**261**
1	4	5	2	0	0	0	0
0	1	1	0	0	0	0	0
1	4	4	2	1	1	0	0
3	12	13	6	1	1	0	0
131	452	559	332	212	212	169	85
1,657	5,775	6,588	2,990	82	74	57	33
86	299	347	168	33	32	26	13
39	137	158	76	14	14	11	5
174	602	721	388	168	168	134	67
88	306	355	171	30	30	24	12
83	287	330	154	16	15	12	6
12	42	49	23	4	4	3	1
442	1,542	1,765	813	53	51	40	21
13	45	52	25	4	3	3	1
3	11	12	6	1	1	0	0
2	8	9	4	1	1	1	0
32	112	129	62	10	10	8	4
124	431	495	231	22	21	17	9

2004	2005	2006	2007	2008	2009	2010	2011
1,569	**5,421**	**6,201**	**2,969**	**496**	**489**	**390**	**199**
1	4	5	2	0	0	0	0
0	1	1	0	0	0	0	0
1	3	4	2	1	1	0	0
3	11	13	6	1	1	0	0
119	411	511	309	208	208	166	83
754	2,603	2,919	1,322	38	35	27	15
61	212	246	120	26	26	21	11
26	88	102	50	11	10	8	4
112	386	460	248	110	109	87	44
49	171	196	95	18	18	14	7
45	155	176	83	11	11	8	4
8	27	31	15	3	3	2	1
282	978	1,112	515	42	41	32	17
8	29	33	16	3	3	2	1
2	7	8	4	0	0	0	0
2	7	8	4	1	1	1	0
21	74	86	41	8	8	6	3
73	254	290	136	16	16	12	6

2004	2005	2006	2007	2008	2009	2010	2011
1,317	**4,626**	**5,367**	**2,473**	**151**	**144**	**114**	**61**
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

2012	2013	2014	2015	2016	2017	2018	2019
130	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0

2012	2013	2014	2015	2016	2017	2018	2019
99	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0

2012	2013	2014	2015	2016	2017	2018	2019
30	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

2020	2021	2022	2023	2024	2025	2026	2027	2028
0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

2020	2021	2022	2023	2024	2025	2026	2027	2028
0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

2020	2021	2022	2023	2024	2025	2026	2027	2028
0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

2029	2030	2031
0	**0**	**0**
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
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0	0	0
0	0	0
0	0	0

2029	2030	2031
0	**0**	**0**
0	0	0
0	0	0
0	0	0
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0	0	0
0	0	0
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0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0

2029	2030	2031
0	**0**	**0**
0	0	0
0	0	0

LOGGING & FORESTRY INDUSTRIES	0	0	0
MINING (INC. MILLING), QUARRYING & OIL WELLS	0	0	0
MANUFACTURING INDUSTRIES	15	0	0
CONSTRUCTION INDUSTRIES	1,061	0	0
TRANSPORTATION AND STORAGE INDUSTRIES	30	0	0
COMMUNICATION & OTHER UTILITY INDUSTRIES	17	0	0
WHOLESALE TRADE INDUSTRIES	95	0	0
RETAIL TRADE INDUSTRIES	49	0	0
FINANCE AND INSURANCE INDUSTRIES	46	0	0
REAL ESTATE OPERATOR & INS. AGENT IND.	5	0	0
BUSINESS SERVICE INDUSTRIES	189	0	0
GOVERNMENT SERVICE INDUSTRIES	6	0	0
EDUCATIONAL SERVICE INDUSTRIES	1	0	0
HEALTH AND SOCIAL SERVICE INDUSTRIES	0	0	0
ACCOMMODATION, FOOD & BEVERAGE SERV.	13	0	0
OTHER SERVICE INDUSTRIES	60	0	0

North West Territories & Nunavut

	Ann. Ave Impact	2002	2003
ALL INDUSTRIES	**8**	**0**	**0**
AGRICULTURAL AND RELATED SERVICE IND.	0	0	0
FISHING & TRAPPING INDUSTRIES	0	0	0
LOGGING & FORESTRY INDUSTRIES	0	0	0
MINING (INC. MILLING), QUARRYING & OIL WELLS	0	0	0
MANUFACTURING INDUSTRIES	0	0	0
CONSTRUCTION INDUSTRIES	0	0	0
TRANSPORTATION AND STORAGE INDUSTRIES	1	0	0
COMMUNICATION & OTHER UTILITY INDUSTRIES	0	0	0
WHOLESALE TRADE INDUSTRIES	3	0	0
RETAIL TRADE INDUSTRIES	1	0	0
FINANCE AND INSURANCE INDUSTRIES	0	0	0
REAL ESTATE OPERATOR & INS. AGENT IND.	0	0	0
BUSINESS SERVICE INDUSTRIES	1	0	0
GOVERNMENT SERVICE INDUSTRIES	0	0	0
EDUCATIONAL SERVICE INDUSTRIES	0	0	0
HEALTH AND SOCIAL SERVICE INDUSTRIES	0	0	0
ACCOMMODATION, FOOD & BEVERAGE SERV.	1	0	0
OTHER SERVICE INDUSTRIES	0	0	0

0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
12	41	48	23	4	4	3	1
902	3,172	3,668	1,668	44	39	31	18
24	84	98	46	6	6	5	2
14	48	55	26	3	3	2	1
60	211	254	136	57	57	45	23
38	133	156	75	12	12	9	5
38	132	153	71	5	5	4	2
4	14	17	8	1	1	1	0
159	560	648	296	11	10	8	4
5	16	19	9	1	1	1	0
1	3	4	2	0	0	0	0
0	1	1	0	0	0	0	0
10	35	41	19	2	2	2	1
50	176	204	94	6	6	4	2

2004	2005	2006	2007	2008	2009	2010	2011
6	**21**	**24**	**12**	**3**	**3**	**3**	**1**
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
1	3	3	2	1	1	0	0
0	1	1	0	0	0	0	0
2	6	7	4	2	2	1	1
1	2	2	1	0	0	0	0
0	1	1	0	0	0	0	0
0	1	1	0	0	0	0	0
1	4	4	2	0	0	0	0
0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
1	2	3	1	0	0	0	0
0	1	1	1	0	0	0	0

0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0

2012	2013	2014	2015	2016	2017	2018	2019
1	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

2020	2021	2022	2023	2024	2025	2026	2027	2028
0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
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0	0	0
0	0	0

2029	2030	2031
0	**0**	**0**
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
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0	0	0
0	0	0

Discount Rate	**13.25%**

Total Estimated Tariff	**$**	**0.7447**	(in $ per thousand cubic feet)
Yukon Estimated Tariff	$	0.4170	
BC Estimated Tariff	$	0.3278	

			2002	**2003**	**2004**
		DATE	0	1	2
	92.2	**Quantity per day (bcf/d)**	**0.0**	**0.0**	**0.0**
$	14,027	Yukon Cost-of Service	$ -	$ -	$ -
$	11,027	BC Cost-of Service	$ -	$ -	$ -
$	**25,054**	**Total Cost-of Service**	**$ -**	**$ -**	**$ -**

(in millions of dollars)

WORKING ITEMS

	25	**Operations (flow in pipe)**	0	0	0
	8.5	**Discount Factor**	1.000	0.883	0.780
	5,065	**Yukon Discounted Volume**	0	0	0
$	3,369	Yukon Construction Cost	$ -	$ -	$ 238
$	842	Yukon Operations Cost	$ -	$ -	$ -
$	2,638	BC Construction Cost	$ -	$ -	$ 195
$	659	BC Operations Cost	$ -	$ -	$ -
$	**6,006**	**Total Construction Cost**	**$ -**	**$ -**	**$ 433**
$	**1,502**	**Total Operations Cost**	**$ -**	**$ -**	**$ -**
$	2,112	Yukon Discounted Cost	$ -	$ -	$ 185.86
$	1,660	BC Discounted Cost	$ -	$ -	$ 151.85
$	**3,772**	**Total Discounted Cost**	**$ -**	**$ -**	**$ 337.70**

For this example only the volu

2005	2006	2007	2008	2009	2010	2011
3	4	5	6	7	8	9
0.0	**0.0**	**0.4**	**2.6**	**2.9**	**3.2**	**3.5**
$ -	$ -	$ 63	$ 388	$ 434	$ 479	$ 525
$ -	$ -	$ 50	$ 305	$ 341	$ 377	$ 413
$ -	**$ -**	**$ 113**	**$ 693**	**$ 775**	**$ 856**	**$ 938**

0	0	1	1	1	1	1
0.688	0.608	0.537	0.474	0.419	0.370	0.326
0	0	82	441	435	425	411
$ 833	$ 1,004	$ 536	$ 223	$ 222	$ 178	$ 89
$ -	$ -	$ 34	$ 34	$ 34	$ 34	$ 34
$ 667	$ 786	$ 417	$ 169	$ 168	$ 134	$ 68
$ -	$ -	$ 26	$ 26	$ 26	$ 26	$ 26
$ 1,500	**$ 1,790**	**$ 953**	**$ 392**	**$ 390**	**$ 312**	**$ 157**
$ -	**$ -**	**$ 60**	**$ 60**	**$ 60**	**$ 60**	**$ 60**
$ 573.75	$ 610.29	$ 305.91	$ 121.78	$ 107.12	$ 78.09	$ 40.15
$ 459.24	$ 477.85	$ 237.82	$ 92.61	$ 81.45	$ 59.41	$ 30.68
$ 1,033.00	**$ 1,088.14**	**$ 543.73**	**$ 214.39**	**$ 188.57**	**$ 137.50**	**$ 70.83**

me increases steadily, from 2.5 bcf/d in 2007 to 4.0 bcf/d in 2012 (occurs in November)

2012	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**
10	11	12	13	14	15	16
3.8	**4.0**	**4.0**	**4.0**	**4.0**	**4.0**	**4.0**
$ 571	$ 609	$ 609	$ 609	$ 609	$ 609	$ 609
$ 449	$ 479	$ 479	$ 479	$ 479	$ 479	$ 479
$ 1,019	**$ 1,087**	**$ 1,087**	**$ 1,087**	**$ 1,087**	**$ 1,087**	**$ 1,087**

1	1	1	1	1	1	1
0.288	0.254	0.225	0.198	0.175	0.155	0.137
394	371	328	290	256	226	199
$ 45	$ -	$ -	$ -	$ -	$ -	$ -
$ 34	$ 34	$ 34	$ 34	$ 34	$ 34	$ 34
$ 34	$ -	$ -	$ -	$ -	$ -	$ -
$ 26	$ 26	$ 26	$ 26	$ 26	$ 26	$ 26
$ 78	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
$ 60	**$ 60**	**$ 60**	**$ 60**	**$ 60**	**$ 60**	**$ 60**
$ 22.57	$ 8.57	$ 7.57	$ 6.68	$ 5.90	$ 5.21	$ 4.60
$ 17.34	$ 6.71	$ 5.93	$ 5.23	$ 4.62	$ 4.08	$ 3.60
$ 39.91	**$ 15.28**	**$ 13.49**	**$ 11.92**	**$ 10.52**	**$ 9.29**	**$ 8.20**

2019	2020	2021	2022	2023	2024	2025
17	18	19	20	21	22	23
4.0	**4.0**	**4.0**	**4.0**	**4.0**	**4.0**	**4.0**
$ 609	$ 609	$ 609	$ 609	$ 609	$ 609	$ 609
$ 479	$ 479	$ 479	$ 479	$ 479	$ 479	$ 479
$ 1,087	**$ 1,087**	**$ 1,087**	**$ 1,087**	**$ 1,087**	**$ 1,087**	**$ 1,087**

1	1	1	1	1	1	1
0.121	0.106	0.094	0.083	0.073	0.065	0.057
176	155	137	121	107	95	83
$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ 34	$ 34	$ 34	$ 34	$ 34	$ 34	$ 34
$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ 26	$ 26	$ 26	$ 26	$ 26	$ 26	$ 26
$ -	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
$ 60	**$ 60**	**$ 60**	**$ 60**	**$ 60**	**$ 60**	**$ 60**
$ 4.06	$ 3.59	$ 3.17	$ 2.80	$ 2.47	$ 2.18	$ 1.93
$ 3.18	$ 2.81	$ 2.48	$ 2.19	$ 1.93	$ 1.71	$ 1.51
$ 7.24	**$ 6.40**	**$ 5.65**	**$ 4.99**	**$ 4.40**	**$ 3.89**	**$ 3.43**

2026	2027	2028	2029	2030	2031	0	0
24	25	26	27	28	29	30	31
4.0	**4.0**	**4.0**	**4.0**	**4.0**	**4.0**		
$ 609	$ 609	$ 609	$ 609	$ 609	$ 609	$ -	$ -
$ 479	$ 479	$ 479	$ 479	$ 479	$ 479	$ -	$ -
$ 1,087	**$ 1,087**	**$ 1,087**	**$ 1,087**	**$ 1,087**	**$ 1,087**	**$ -**	**$ -**

1	1	1	1	1	1	0	0
0.050	0.045	0.039	0.035	0.031	0.027	0.024	0.021
74	65	57	51	45	40	0	0
$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ 34	$ 34	$ 34	$ 34	$ 34	$ 34	$ -	$ -
$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ 26	$ 26	$ 26	$ 26	$ 26	$ 26	$ -	$ -
$ -	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
$ 60	**$ 60**	**$ 60**	**$ 60**	**$ 60**	**$ 60**	**$ -**	**$ -**
$ 1.70	$ 1.50	$ 1.33	$ 1.17	$ 1.03	$ 0.91	$ -	$ -
$ 1.33	$ 1.18	$ 1.04	$ 0.92	$ 0.81	$ 0.71	$ -	$ -
$ 3.03	**$ 2.68**	**$ 2.36**	**$ 2.09**	**$ 1.84**	**$ 1.63**	**$ -**	**$ -**

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Assessment of Economic Impacts using the Local Area Model (LAM)

Working Paper No. 7.2.3

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Informetrica
Limited

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Assessment of Economic Impacts using the Local Area Model (LAM)

1 Introduction

The economic impact of the construction phase of the Alaska Highway Pipeline Project (AHPP) is very small when viewed at the national level. The size of the economy is little affected, unemployment declines only marginally, and no significant bottlenecks appear.[1]

At the provincial/territorial level of analysis the project appears larger in British Columbia and dominates the economy of Yukon. There is little doubt that most of the construction labour force will have to come from outside of the Yukon and perhaps even outside British Columbia and Alberta. This means that the AHPP qualifies as a "mega-project", requiring resources from beyond the region.

At the level of a local community, with a population of 500 or 20,000, the project will appear very large indeed, with obvious pressures on local workers, institutions, and businesses.

This part of a series of economic studies had Informetrica Limited develop a tool, the Local Area Model (LAM), to assist communities in thinking through the economic impacts of the AHPP. Through open discussions and careful planning it is hoped that each community can gain what it wants from the pipeline development. In some cases this may mean enhancing possible impacts. In other cases, it may mean planning to reduce the impacts. What are some of the ways in which the AHPP can affect a local community? The usefulness of this model is not limited to the AHPP. It could also be used to evaluate the impact of any project or spending decision on local communities.

1.1 Sizing of Potential Effects

A major project can have a significant effect on a local economy. Examples shown here are modest, and should not be considered as factual if the pipeline is constructed. They illustrate how the potential effects of an economic stimulus are affected by the size of a community. Pipeline construction is used as an example to show how an economic stimulus whose local expenditures are entirely from outside the local area affects the community.

In reality, if we were to consider the potential effects the AHPP has on a community, we must consider the sizing of these effects on the local area. Direct employment by the AHPP can influence all communities in the Yukon, but those directly along the pipeline route have added influence from potential spending by pipeline workers quartered in nearby camps. This is similar to "tourism" spending.

It is estimated that Yukoners from all communities can potentially take up to 20% of the expected 6,000 pipeline-related jobs. This employment number includes direct, indirect and induced effects. Average pipeline wages of $60,000 could potentially generate $72 million in total income for Yukon residents. The effect on each community would vary, with potential participation rates ranging from 5 - 30% of the local workforce.

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[1] See Informetrica's working paper 6.1.1 National Impacts of the AHPP

Expenditures by AHPP workers that are not Yukon residents would be considered "tourist" spending. If every worker spent $100 per trip, or rotation, and if there are 5 rotations, $2.4 million would be brought into the territory. Thus, there is a potential for local area impacts to be significant, and the LAM can measure this.

1.2 The Local Area Model

The purpose of the LAM is to quantify the effect an event or an institution/business has on a community. This application of the model measures the income, employment and tax impact of AHPP construction on the communities of Whitehorse (approximate pop. 20,000) and Haines Junction (approximate pop. 570), and can be applied to other jurisdictions.

The starting point of this exercise was the Local Area Impact Model for long-term care facilities designed for the Centre for Rural and Northern Health Research (CRaNHR) at Laurentian University, Sudbury in 2000. This long-term care model was originally developed from a local area impact model built for the Ontario Arts Council in 1997 by Informetrica Limited.

The model reports the "shock", or the assumed addition of demand, by estimating direct and indirect effects, induced effects and the total effect on the community. These results will also be referred to as impacts. Direct and indirect effects measure the economic activity experienced in the local area due to pipeline construction. Thus, any additional economic activity that would not have occurred or have occurred elsewhere is a direct effect of the pipeline construction on the community. Direct effects include contracts offered to local businesses directly involved in the pipeline construction, such as brushing and clearing, road construction, etc. Indirect effects measured here account for all other additional local activity attributed to pipeline construction. This includes local spending by the pipeline builders that facilitates pipeline construction such as purchase of construction materials (e.g. gravel) and accommodation. Induced effects include additional spending in the region as a result of increased incomes from the initial direct and indirect local spending. Examples of induced effects are increased spending in retail stores, restaurants and bars.

The size of the impact, or shock, depends on the number and types of local services. The re-spending outside the area of money originating from pipeline construction is a "leakage". Leakage is dependent on the types of local services available. Thus, the size of the community has an effect on the total number and types of industries available in the area, and how much of the new spending remains in the community. Local income multipliers are used, based on size of community, to help determine leakages.

When considering AHPP construction, the number of camps, their duration and proximity to the communities will affect all aspects of the local impact. This includes the possible strain on community services. Detailed information regarding the location of the construction camps is not available at this time.

1.3 Information Requirements

Minimum information required by the Local Area Impact Model includes the number of paid hours worked locally, the local wage bill, local population, and total municipal property taxes paid by businesses and households.

The model is set up to incorporate the estimated "shock", or additional demand to the local area, depending on the type of increase. This includes such things as increased local expenditure on goods and services, tourism and tourist spending, and changes to local income such as business profits. The model is versatile and can be adapted to any change in local income and expenditures. Since the model is expenditure based, changes in expenditures in the local area are the main drivers, while income changes would help determine the difference between gross and net effects of the impact to the local area. Income originating from the local area would reduce the net impact, while income originating from outside the area, such as an employer like Parks Canada in Haines Junction, would result in more revenues being brought to the local area.

1.3.1 *Employment Data*

The total number of hours worked was estimated from Census data. For full-time, full-year employees, it was assumed they work, on average, 7.5 hours per day, 240 days per year, or 1,800 hours per year. Part-time, part-year workers were assumed to work 3 hours per day, 240 days per year, or 720 hours per year. Average wage data was calculated from 1996 Census data and considered the number, and wages, of part and full-time workers. This calculation was consistent for both Whitehorse and Haines Junction.

Total number of paid hours for Whitehorse was estimated as 16.8 million, while the total wages and salaries estimate was $406 million. The total number of paid hours for Haines Junction was estimated as 413,000, while the total wages and salaries estimate was $8 million. The implicit wage rates for Whitehorse used in the model is $24.17 per hour, while the implicit wage rate for Haines Junction used here is $19.37 per hour. Both wage rates seem reasonable considering the mix of the labour force and the high proportion of well-paid government workers in Whitehorse. This employment information is used in calculating the employment coefficients in the model. These coefficients help to determine the number of full-time equivalent (FTE) employees per $1,000 of labour and non-labour expenditures in the local area.

1.3.2 *Local Government Information*

Municipal tax information was obtained from the City of Whitehorse website, www.city.whitehorse.yk.ca. The data used here are from the Operating Revenue and Expenditure information provided with the budget. Haines Junction budget and municipal tax information was provided by the Village. This information was from the Village of Haines Junction Summary Report for the 12 months ended December 31 2001.

Municipal tax revenue for Whitehorse used in the LAM was $17 million, and Haines Junction municipal tax revenue was $416,000. With the use of employment data, the amount of municipal property tax per FTE can be determined. It was found that municipal property tax paid per FTE for Whitehorse is $1,826 per year, and municipal property tax paid per FTE for Haines Junction is $1,811. These totals **include** business and corporate property taxes paid to the municipalities.

Due to rounding, the results reported below may not add or appear to provide the exact municipal revenue per FTE for each community.

1.4 Whitehorse

Gross Domestic Product (GDP) for Whitehorse is about $700 million, while the total number of employment hours is about 16.8 million, with $406 million in wage expenditures, based on full and part-time wage rates. Municipal expenditures were $38.6 million for 2001. The number of tourists was estimated as 144,575, from the 1999 Visitor Exit Survey by Yukon Tourism and the Yukon Bureau of Statistics. Tourist spending was about $28.2 million during 1999, or $195 per trip.

1.5 Haines Junction

GDP estimated for Haines Junction is about $15.1 million, while the total number of employment hours is about 416,000, with $8 million in wage expenditures, based on full and part-time wage rates. Municipal expenditures were $1.26 million for 2001. The number of tourists used for estimation purposes was 128,000 from the 1999 Visitor Exit Survey by Yukon Tourism and the Yukon Bureau of Statistics. Tourist spending in the Kluane district was about $6.4 million during 1999, or $50 per trip.

2 Local Linkages to the AHPP

For several of the linkages below, it will be shown that a community's size, average wage, and property tax affect the impacts of an economic event on a community. The results reported here would be the "shock", or assumed addition of demand for Haines Junction and Whitehorse. These Local Area Model results are an initial sizing of the potential economic effects of the AHPP and should be treated as only an approximation. Also to be considered when discussing or quantifying any local impact is the attribution of revenues. Thus, is money spent in the community just a redistribution of money already in the local area, or is the economic event taking place in a community bringing in "new" money, or money that otherwise would not be spent in the local area? For ease of explanation, all situations discussed below will assume that the money brought into the communities does not originate from the local communities.

Local linkages to be compared between the two aforementioned communities are direct employment, local procurement of goods and services, spending by non-resident workers and bidding up wages. Other linkages discussed here are bidding up prices, pressure on local infrastructure and permanent moves into the local area.

2.1 Direct Employment

One of the most obvious local linkages will be local people who are able to obtain a job as part of the team constructing the pipeline. The local impact on incomes in the community will depend on the number of people employed, the incremental wages received if they were previously employed, and the incremental wages received by the person replacing them in their previous job. If the chain of trickling down of job openings is followed until a person who was unemployed receives a job, then the effect is simply the total wage received by the pipeline worker. If the person is not replaced, then the lower limit on the impact is the increment of the wage received by the pipeline worker.

To help illustrate the shock to the local area, we assume $1 million in wages for pipeline employees from the local area, where there is a trickling down of job openings until an unemployed person is employed. One FTE pipeline employee considered here includes 1,200 hours of employment, per year. So the $1 million in wages results in 16.7 direct pipeline jobs. To help calculate the local tax impact, it is assumed that the average property tax paid per FTE remains constant. Thus, for Haines Junction this means a corresponding increase of $30,189 and Whitehorse has an increase of $30,450 in municipal taxes.

In this case, there are no indirect effects. All that is considered is additional employment on the pipeline. Thus, induced employment is generated due to more people being employed and demanding locally-provided services. The level of service available in a community increases with population. More dollars brought into a larger local area will remain compared to the same amount of dollars brought into a smaller, less serviced area.

2.1.1 *Direct Employment Results - Haines Junction*

An additional $1 million in local wages and salaries results in an induced income impact of $40,000 for a total income impact of $1.04 million. Direct employment in Haines Junction was estimated as 16.7 FTE employees. Each full-time equivalent would make $60,000 and work 1,200 hours per year while employed on the pipeline. Due to the size of the community and services offered, this extra employment induces 0.7 FTE employees in the community. This results in a total local employment impact of 17.3 full-time employees. Municipal property taxes also increase with local income and employment, while the rate of taxation was assumed to be constant. The direct increase in local taxes received was $30,189, while the induced effect was $1,208 for a total property tax impact of $31,396.

Table 1.1

Haines Junction Direct Pipeline Employment	Direct & Indirect Effect	Induced Effect	Total Impact
Local Income Impact	$1,000,000	$40,000	$1,040,000
Local Employment Impact	16.67	0.67	17.33
Local Tax Impact	$30,189	$1,208	$31,396

2.1.2 *Direct Employment Results - Whitehorse*

An additional $1 million in local wages and salaries results in an induced income impact of $280,000 for a total income impact of $1.28 million. As in Haines Junction, direct employment of Whitehorse residents was estimated as 16.7 FTE employees for this example. Each full-time equivalent would make $60,000 and work 1,200 hours per year while employed on the pipeline. Due to the size of the community and services offered, this extra employment induces 4.7 FTE employees. This results in a total local employment impact of 21.3 full-time employees. Municipal property taxes also increase with local income and employment, while the rate of taxation was assumed to be constant. The direct increase in local taxes received was $30,450, while the induced effect was $8,526 for a total property tax impact of $38,976.

Table 1.2

Whitehorse Direct Pipeline Employment	Direct & Indirect Effect	Induced Effect	Total Impact
Local Income Impact	$1,000,000	$280,000	$1,280,000
Local Employment Impact	16.67	4.67	21.33
Local Tax Impact	$30,450	$8,526	$38,976

2.1.3 *Comparison of Impacts*

The total shock, or assumed addition of demand is very different between the two communities, even though the initial spending on employees in each community was the same. This leakage is attributable to the differences in size of both communities — and therefore the variety of goods and services offered — and the differences in the average wage in each community. This results in Whitehorse's expected income impact to be $240,000 greater than that of Haines Junction, with 4 more FTE employees and an extra $7,580 in local property tax revenue.

Although the induced effect in Haines Junction may appear small, it must be remembered that in a community as small as the Junction — and especially one close to a larger town like

Whitehorse — most residents buy many if not most of the goods and services they require elsewhere. It is in large part because Whitehorse has many more types of goods and services available than Haines Junction — everything from car dealerships to insurance brokers — the induced effect of additional employment is much greater.

Table 1.3

Whitehorse less Haines Junction Direct Pipeline Employment	Direct & Indirect Effect	Induced Effect	Total Impact
Local Income Impact	$0	$240,000	$240,000
Local Employment Impact	0	4	4
Local Tax Impact	$261	$7,318	$7,580

2.2 Local Procurement of Goods and Services

Purchases by the pipeline construction firm (or suppliers to it) from businesses in the local area represent "new business". Some part of the revenue stays in the community; some will be used to purchase replacement goods or to bring in supplies from elsewhere, necessary for the delivery of the local service. More revenue will "stick" with local businesses as the community becomes more economically diversified and self-sufficient.

The hypothetical situation used in the LAM to help show how spending by the pipeline construction firm, or its suppliers, in the local area may affect local demand considers $1 million to be spent on pipeline construction supplies in each community ($2 million total). Due to the size of both communities used for discussion here, it is assumed that only 30% of this potential spending of $1 million will be made in Whitehorse, and only 10% of this spending will be made in Haines Junction. From this, the local businesses would employ people, make some purchases outside the local area to complete the request, and also make some profit. Thus, as in the direct employment case, there will be some leakage and some induced income and employment.

2.2.1 *Local Procurement of Goods and Services Results - Haines Junction*

With only 10% of the $1 million in spending coming into the local area, the direct and indirect income effect for Haines Junction was estimated at $59,500, with an induced effect of $2,380 for a total income shock of $61,880. This leads to 1.71 direct and indirect full-time employees and 0.07 induced FTE employees, for a total employment shock of 1.78 FTE employees. The municipal tax impact was $3,218, with $3,094 stemming from direct and indirect employment.

Table 2.1

Haines Junction Local Procurement of G&S	Direct & Indirect Effect	Induced Effect	Total Impact
Local Income Impact	$59,500	$2,380	$61,880
Local Employment Impact	1.71	0.07	1.78
Local Tax Impact	$3,094	$124	$3,218

2.2.2 *Local Procurement of Goods and Services Results - Whitehorse*

The total income impact in Whitehorse was $263,040. The direct and indirect income effect was $205,500, while the induced effect was $57,540. Direct and indirect employment generated was 4.72 person-years of employment, and the induced effect was 1.32 person-years of employment. The total employment impact was 6.05 FTE employees. Additional municipal revenues were estimated as $11,049 with direct and indirect municipal revenues making up $8,632 of that total impact.

Table 2.2

Whitehorse Local Procurement of G&S	Direct & Indirect Effect	Induced Effect	Total Impact
Local Income Impact	$205,500	$57,540	$263,040
Local Employment Impact	4.72	1.32	6.05
Local Tax Impact	$8,632	$2,417	$11,049

2.2.3 *Comparison of Impacts*

With different amounts of local procurement spending in each area, Whitehorse's local income impact exceeds that of Haines Junction by $201,160. The local employment impact was also 4 FTE employees greater in Whitehorse than Haines Junction. The difference in local taxes was $7,831 greater in Whitehorse. Again the difference in community size, and hence in number and variety of businesses makes the impact much greater in Whitehorse than in Haines Junction.

Table 2.3

Whitehorse less Haines Junction Local Procurement of G&S	Direct & Indirect Effect	Induced Effect	Total Impact
Local Income Impact	$146,000	$55,160	$201,160
Local Employment Impact	3	1	4
Local Tax Impact	$5,538	$2,293	$7,831

2.3 Spending by Non-resident Workers

The majority of workers on the pipeline will be from Outside. Many will remit their pay in its entirety to families at home. But others may spend some of their wages in the Yukon, on the way in or out, or during the time that they are at work. In some ways this aspect can be treated as if the workers were "tourists", staying a given amount of time and spending some amount per day.

The location of the work camps and the arrangements for moving people in and out of the Yukon will have a major influence on local spending. To allow for comparison of the estimated shock between Haines Junction and Whitehorse, it is assumed that only 500 non-resident workers spend $50 in the local area per year. This number is low, and spending per person is also low. However, this example is to illustrate the differences experienced between each community with the same direct spending.

2.3.1 *Results of Spending by Non-resident Workers - Haines Junction*

The $25,000 spent in Haines Junction results in $13,750 in indirect income effects and $550 in induced effects. This results in a total impact of $14,300 to the local community. Employment impacts are 0.39 FTE employees in indirect employment and 0.02 FTE employees in induced employment. This results in 0.41 FTE employees due to the $25,000 in spending by non-resident workers. Total municipal property tax revenue is estimated to increase by $744, of which $715 is due to indirect employment increases.

Table 3.1

Haines Junction Spending by non-resident workers	Direct & Indirect Effect	Induced Effect	Total Impact
Local Income Impact	$13,750	$550	$14,300
Local Employment Impact	0.39	0.02	0.41
Local Tax Impact	$715	$29	$744

2.3.2 *Results of Spending by Non-resident Workers - Whitehorse*

The $25,000 spent in Whitehorse results in $13,750 in indirect income effects and $3,850 in induced effects. This results in a total impact of $17,600 to the local community. Employment impacts are 0.32 FTE employees in indirect employment and 0.09 FTE employees in induced employment. This results in 0.40 FTE employees due to the $25,000 in spending by non-resident workers. Total municipal property tax revenue is estimated to increase by $739, of which $578 is due to indirect employment increases.

Table 3.2

Whitehorse Spending by non-resident workers	Direct & Indirect Effect	Induced Effect	Total Impact
Local Income Impact	$13,750	$3,850	$17,600
Local Employment Impact	0.32	0.09	0.40
Local Tax Impact	$578	$162	$739

2.3.3 *Comparison of Impacts*

The difference in the induced income impact to the local area is due to the difference in size of the communities. Whitehorse's local income impact exceeds that of Haines Junction by $3,300. The slightly greater employment increase in Haines Junction versus Whitehorse is due to the average wage in Whitehorse being higher. This can also be viewed as a productivity issue, where employee productivity is slightly higher in Whitehorse than in Haines Junction, thus for every $1,000 non-labour expenditure in Haines Junction, more employment is generated. Due to the slightly higher employment impact in Haines Junction than in Whitehorse, the local municipal property tax impact is slightly higher than in Whitehorse.

Employment in Haines Junction per $1,000 of non-labour expenditure is greater than that in Whitehorse. This is not always visible in the results reported here due to the size difference of the induced income effects between the two communities.

Table 3.3

Whitehorse less Haines Junction Spending by non-resident workers	Direct & Indirect Effect	Induced Effect	Total Impact
Local Income Impact	$0	$3,300	$3,300
Local Employment Impact	0	0	0
Local Tax Impact	-$137	$133	-$4

2.4 Other Effects

2.4.1 *Bidding up Wages*

Jobs on the pipeline are likely to be unionized, requiring special skills, long hours, hard work, and paying high wages. People living in the Yukon may be attracted to these jobs by those high wage rates. In turn, this may mean that employers will have to raise the wages they offer in order to retain or replace workers who are employed by the pipeline and related contractors. A general increase in wages will also increase the demand for locally-supplied goods.

To illustrate the effect of an increase in local wages, a 2% increase to the total wage bill for Haines Junction and Whitehorse was applied to the model. To avoid complications with price increases, it was assumed that the employers responsible for the wage bill increase do not receive their revenue directly from the local area. For example, if Parks Canada employees in Haines Junction receive a wage increase large enough to increase the overall local wage bill by 2%, the increase will not affect local prices, as it was financed from elsewhere in the country. For comparison purposes between the communities, the per cent difference of the increase in wages between both communities will be shown. A 2% increase in all wages paid to Haines Junction residents results in an increase of $160,000, while a 2% increase to the total wage bill in Whitehorse results in an $8.1 million increase. Also, the total impact was estimated to be about 0.5% relatively greater in Whitehorse, due to the greater availability of services.

Table 4.1

Whitehorse less Haines Junction Bidding Up Wages, percent difference	Direct & Indirect Effect	Induced Effect	Total Impact
Local Income Impact	0.00%	0.48%	0.48%
Local Employment Impact	0.00%	0.47%	0.47%
Local Tax Impact	0.00%	0.47%	0.47%

2.4.2 *Bidding up Wages, Results - Haines Junction*

An increase in wages results in induced employment and municipal tax impacts. Direct and indirect effects are zero for employment and municipal taxes. This is due to the wage rate increasing and generating induced effects because of a change in spending patterns. Thus, the direct income effect in Haines Junction was $160,000, with induced effects of $6,400 for a total shock of $166,400 to the local economy. Induced employment was estimated to be 0.18 FTE employees, and the local tax impact was $326.

Table 4.2

Haines Junction Bidding Up Wages	Direct & Indirect Effect	Induced Effect	Total Impact
Local Income Impact	$160,000	$6,400	$166,400
Local Employment Impact	-	0.18	0.18
Local Tax Impact	$0	$326	$326

In per cent increase terms, the direct income effect was 2%, while the induced effect was 0.08% for local income, local employment and local municipal tax impacts. This results in a total impact of 2.08% for income, and 0.08% for employment and municipal taxes.

Table 4.3

Haines Junction Bidding Up Wages	Direct & Indirect Effect	Induced Effect	Total Impact
Local Income Impact	2.00%	0.08%	2.08%
Local Employment Impact	0.00%	0.08%	0.08%
Local Tax Impact	0.00%	0.08%	0.08%

2.4.3 *Bidding up Wages, Results - Whitehorse*

The direct income effect in Whitehorse was $8.1 million, with induced effects of $2.3 million for a total shock of $10.4 million to the local economy. Induced employment was estimated to be 51.3 FTE employees, and the local tax impact was $93,711.

Table 4.4

Whitehorse Bidding Up Wages	Direct & Indirect Effect	Induced Effect	Total Impact
Local Income Impact	$8,127,318	$2,275,649	$10,402,967
Local Employment Impact	-	51.29	51.29
Local Tax Impact	$0	$93,711	$93,711

In per cent increase terms, the direct income effect was 2%, while the induced income effect was 0.56%. Local employment and local municipal tax impacts increased from their current values by 0.55%. This results in a total impact of 2.56% for income, and 0.55% for employment and municipal taxes.

Table 4.5

Whitehorse Bidding Up Wages	Direct & Indirect Effect	Induced Effect	Total Impact
Local Income Impact	2.00%	0.56%	2.56%
Local Employment Impact	0.00%	0.55%	0.55%
Local Tax Impact	0.00%	0.55%	0.55%

2.4.4 *Bidding up Prices*

Businesses paying higher wages may also raise their prices to cover these increased costs. If these adjustments are extensive, then there may be additional wage pressures to cover the higher costs of living. This may affect local spending habits. For example, if prices in Haines Junction increase, it may become cheaper for local residents to go elsewhere for purchases. Coupled with a wage increase, marginal costs of making purchases elsewhere may decrease. In any case, the marginal utility experienced by those who receive a higher wage should be positive, even with increased standard of living costs.

2.4.5 *Pressure on Local Infrastructure*

If there are substantial increases in local "tourism" then local roads, public places, airports, and other facilities may become crowded. This could require additional maintenance or expansion of facilities or discouraging the "normal tourists" from visiting or extending their stay.

2.4.6 *Permanent Moves into Local Area*

Although we have assumed little population movement on a permanent basis, it is possible that several thousand people could move into the Yukon. Depending on where they congregate, this could stretch the capacity of some towns. Of particular interest would be additional requirements for schools, hospitals, and local transportation.

3 How to Maximize the Impact

Some local communities may want to maximize the impact on their community and on local businesses, seeing this as a rare opportunity to improve their incomes and for the community to gain some additional revenue. The list below suggests some of the ways to maximize the impact on a local community. The pipeline company, with encouragement and cooperation from the local community, would take these steps:

1. Hire locally
2. Seek out local procurement opportunities
3. Encourage R&R in the Yukon for non-resident workers
4. Locate construction camps near towns

The limitation on these actions would come naturally. Only qualified people would be hired, local businesses could provide only some goods and services, some non-resident workers would go elsewhere when not working, and the site of construction camps will depend on a number of factors, crucial to minimizing overall construction costs.

4 How to Minimize the Impact

Many of the same actions taken to maximize the impact can be reversed to some degree to minimize the impact on a community.

1. Import labour
2. Ship in all supplies
3. Fly workers out of the area for R&R
4. Locate camps far away from towns

The limitation here is that for some jobs local supply will be desirable since it is likely to be less expensive. Although construction camps can be sited away from towns, inevitably they will be closer to some towns than others.

5 Choices

One way of thinking about the effects of the AHPP is that its construction will widen the **choices** available to Yukon towns during the construction period. Later, during the operations phase, **choices** about fuels and prices of energy will also be widened for many locations.

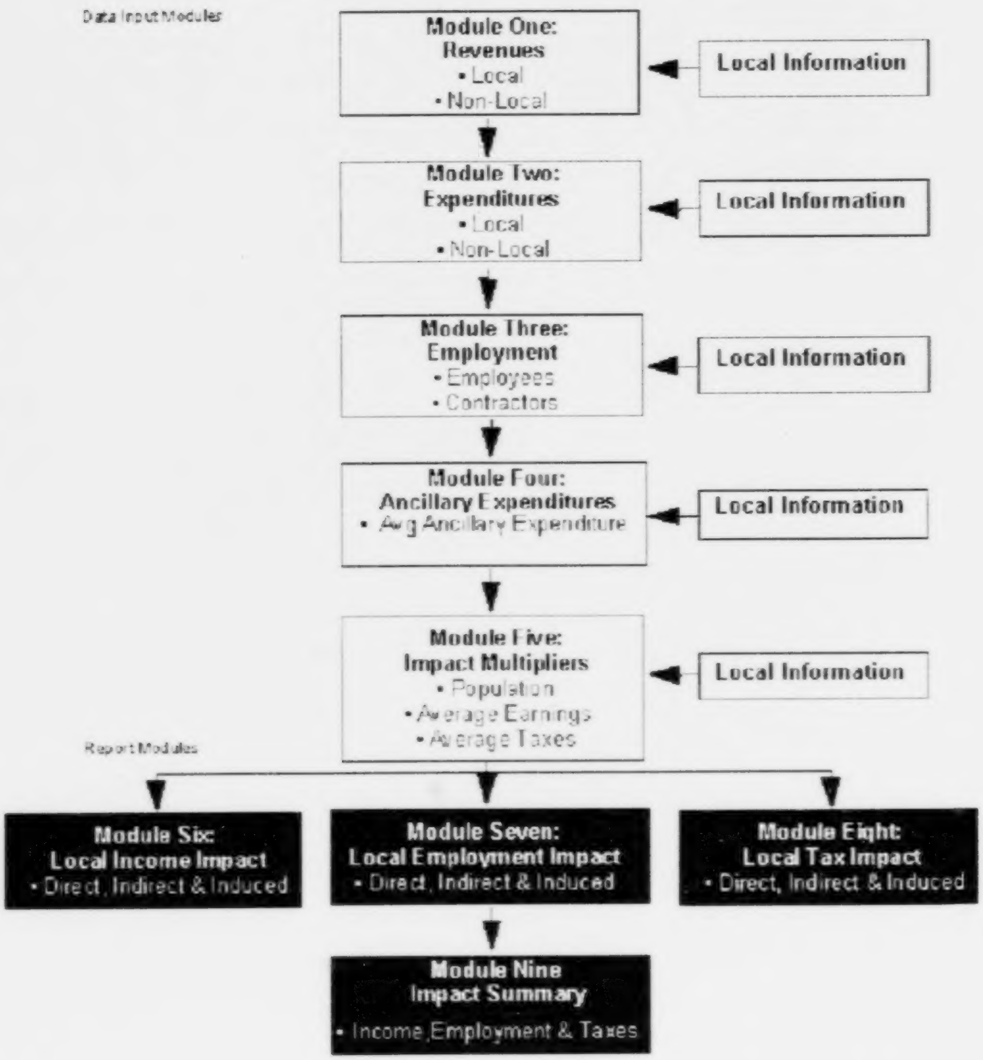
How a community makes those choices hinges on the information and tools available as well as the local processes of decision-making. It is hoped that the Local Area Model can help in a small way to make that process easier.

5.1 Other Considerations

It is possible for situations not initially considered to arise, such as an additional strain on social service provision including possible unexpected increases in demand for educational services several years after construction of the pipeline. Long-term effects of people being exposed to the region may entice more people to come, such as construction workers returning to the Yukon to work or to retire, or even for vacations. There may also be reduced tourism during the construction of the pipeline. However, the spending of construction workers may offset these lost revenues.

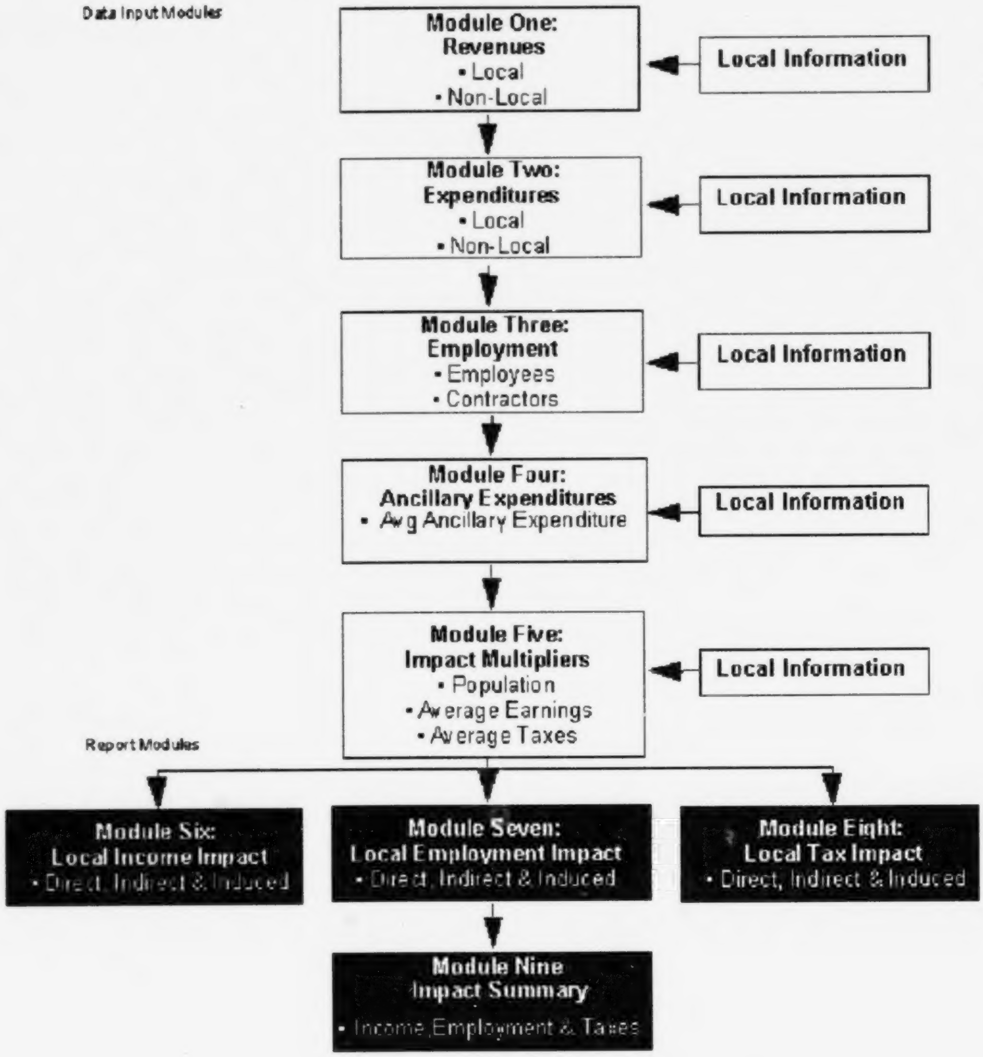
6 Appendix[i]: Components of the Model

Figure A1: Overview of Local Area Model


Data Input Modules
Module One:
Revenues
• Local
• Non-Local
Local Information
Module Two:
Expenditures
• Local
• Non-Local
Local Information
Module Three:
Employment
• Employees
• Contractors
Local Information
Module Four:
Ancillary Expenditures
• Avg Ancillary Expenditure
Local Information
Module Five:
Impact Multipliers
• Population
• Average Earnings
• Average Taxes
Local Information
Report Modules
Module Six:
Local Income Impact
• Direct, Indirect & Induced
Module Seven:
Local Employment Impact
• Direct, Indirect & Induced
Module Eight:
Local Tax Impact
• Direct, Indirect & Induced
Module Nine
Impact Summary
• Income,Employment & Taxes

6 Appendix[i]: Components of the Model

Figure A1: Overview of Local Area Model


Data Input Modules
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• Local
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• Local
• Non-Local
Local Information
Module Three: Employment
• Employees
• Contractors
Local Information
Module Four: Ancillary Expenditures
• Avg Ancillary Expenditure
Local Information
Module Five: Impact Multipliers
• Population
• Average Earnings
• Average Taxes
Local Information
Report Modules
Module Six: Local Income Impact
• Direct, Indirect & Induced
Module Seven: Local Employment Impact
• Direct, Indirect & Induced
Module Eight: Local Tax Impact
• Direct, Indirect & Induced
Module Nine Impact Summary
• Income, Employment & Taxes

The model used in this study follows the structure discussed below. The model has nine modules. Module one calculates the local revenue received by the community. This measure is used later for calculating the gross and net economic impact of the economic "event".

Module two looks at current expenditures made by local businesses and the municipal government, and determines which expenditures are local. These expenditures are used in module six to help determine the income impact.

Module three calculates the number of person-years of employment in the community.

Module four discusses ancillary expenditure. This determines the amount of "new" money brought to the community because of tourism, or visitors not from the local area.

Module five develops the employment coefficients used throughout the remainder of the model. These coefficients are used to determine the employment impacts of the economic event. The local tax coefficient is used to determine the amount of municipal tax received by the local government attributable to the economic event. The local tax coefficient is the impact of local property taxes per full-time equivalent job.

Module six deals with the local income impact of the economic event and is measured in terms of Gross Domestic Product. This module calculates the income impact from spending on labour, non-labour as well as local ancillary expenditures.

Module seven determines the local employment impact, reported in terms of person-years. It applies the employment coefficients and uses spending on labour, non-labour and local ancillary expenditures to calculate the combined direct, indirect and induced impacts.

Module eight provides a calculation of the local tax impact. This calculation applies the local tax coefficient to the employment impact calculated in module seven. Municipal property taxes are included as part of the direct tax impact. As in modules six and seven, the results are reported in terms of the facility's gross contribution to and net economic impact on the local economy.

Module nine is the summary report of the economic event's impact on the local economy.

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[i] Appendix adapted from "Local economic impact of Sudbury Regional Hospital and other health institutions", by Informetrica Limited for the Centre for Rural and Northern Health Research, 2000.

Government Revenue and Expenditure Model: Yukon

Working Paper No. 7.2.5

March 2002

M. Lasota

Informetrica
Limited

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Government Revenue and Expenditure Model

1 Introduction

The fiscal model estimates Yukon's fiscal grant from Canada and how it changes with different levels and types of territorial revenues and expenditures. To show how the grant may change with differing territorial revenues, an impact related to the potential Alaska Highway Pipeline Project (AHPP) is considered. The two impact cases reported here originated from The Informetrica Model (TIM) and the Regional-Industrial Model (RIM). The first impact cases from TIM and RIM have employment insurance (EI) contribution rates and tax rates fixed to the base case. The second impact cases have the federal government changing EI contribution rates and a lower tax rate in order to redirect their revenue gains back into the economy.

To illustrate how the fiscal grant may differ with taxation changes, level and rate adjustment comparisons are done for personal income tax, corporate income tax and tobacco tax. The reader should also note that, unlike the Local Area Model[1], this model is not linear, so individual hypothetical tax change comparisons reported here cannot be added. The fiscal grant change from the base case would not be the sum of the comparisons made here if all hypothetical tax changes were to occur. TIM and RIM impact cases are used because of differing sensitivities for rate and economic activity change, and the fiscal grant calculation being affected by the economic prosperity of all provinces. Without the TIM impact case, the fiscal grant calculation may not work properly, or estimates would have to be made as to how well other provinces would fare through 2010.

This model, designed in Excel, originates from fiscal models created for provincial governments by Informetrica Limited. Revisions made to the model include the worksheet called Yukon that estimates the fiscal grant to be received from Canada. This work is based on the methodology outlined in the "Territorial formula financing agreement with the government of Yukon: 1999-2000 to 2003-2004".

1.1 Model

There are three main calculation worksheets in the model: "Economics", "Budget", and "Yukon". "Economics" shows and/or calculates some major indicators such as GDP (Canada and US), interest rates (Canada and US), population, and some Yukon indicators. "Budget" looks at territorial revenues and expenditures, while taxation and recoveries information are then used in the "Yukon" worksheet to estimate the fiscal grant from Canada.

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[1] For a complete discussion of the Local Area Model please refer to: Assessment of Economic Impacts using the Local Area Model (LAM), Informetrica Limited, Working Paper 7.2.3,F ebruary 2002.

The Fiscal Model's major findings are shown in "ReportTable". To update historical information, or to set future assumptions for most variables, there is a sheet called "Info Update" that allows for revisions. This sheet also facilitates the input for any impact to be run through the model. Two Excel Workbooks are utilized to run and report impacts. First, historical assumptions and a base case scenario must be set in "**Fiscal Model Base.xls**", while historical assumptions (if desired) and an impact scenario are set in "**Impact.xls**". Both of these workbooks have identical data input worksheets, allowing for ease of historical revision. Any number shown in the "Input Update" worksheet can be changed. Please note that if only aggregate changes to GDP and the budget are made, their sub-aggregate components will not reflect the change. This is not an issue if one is only concerned with the fiscal grant calculation. Detailed tax information is required and recoveries have a general growth rate adjustment within "Info Update" for fiscal grant calculation changes. For individual recovery adjustment, a level or rate adjustment can be implemented in "Yukon" for the corresponding recovery.

1.2 Data Sources

Most information can be updated using Statistics Canada information. Additional information is from the territorial and provincial public accounts, which are readily available on the Department of Finance Canada website (www.gc.fin.ca), and from the respective jurisdictions. It should be noted, that while historical provincial public accounts data are readily available through the Finance Canada website, some provincial finance sites have only current public accounts data online.

2 Results

2.1 Base Results

2000/01 budgetary revenues for the Yukon were $552 million, total expenditures were $541 million, and the fiscal grant from Canada was $367 million, or 66% of total budgetary revenue. Revisions to the 2001/02 fiscal grant bring the estimate to $345 million. However, further revisions to this amount may occur. Both expenditures and revenues expected for 2001/02 are about $6 million lower than the previous fiscal year. Federal transfers are expected to decrease by approximately $21 million for the 2001/02 fiscal year. Recent population declines may be the main cause for the decrease.

Through the medium term, territorial revenues could increase at a rate greater than 3%. Most of this growth stems from federal transfers with anticipated growth ranging from 3 to 3.75%. Population expansion is expected to be about 0.5% slower than national growth rates. Wages and salaries are expected to pick up their rate of growth through the medium term, while territorial growth is likely to remain slower than the national average of 3.2% through 2010, at about 2% real growth per year throughout this base case view. Territorial own-source revenue is anticipated to increase to about 16.0% of GDP, up from 14.8% during 2000/01, throughout the scenario.

Education spending remains sluggish at an annual growth rate near 1% after 2002, while increases in health spending are greater than 3% after 2005. This would be an improvement over the short-term decrease in per-student and per-patient spending.

Table 1.1: Fiscal Model Base Case

Yukon
Budget Prospects
($ millions nominal)

	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
Total Budgetary Revenue	552	546	566	589	611	633	656	677	698	718
Own-Source Revenue	166	181	182	189	196	203	210	218	225	234
Personal Income Tax	34	35	35	36	38	39	41	43	44	46
Corporate Income Tax	9	8	8	8	9	9	10	10	11	11
Other, Own-Source & Recoveries	123	139	139	144	149	154	159	165	170	176
Federal Transfers	386	365	384	400	415	430	446	459	473	484
Fiscal Grant	367	345	362	378	392	406	421	434	446	457
Other Transfers	20	20	22	22	23	24	25	26	26	27
Total Expenditures	541	535	554	576	597	620	643	663	684	708
Net Debt Charges	0	0	0	0	0	0	0	0	0	0
Program & Capital Spending	541	535	554	576	597	620	643	663	684	708
Education	108	102	101	103	104	106	106	107	108	109
Health	134	133	134	138	143	147	152	158	164	170
Other	299	300	319	334	350	367	385	398	413	428
Balance	**13**	**11**	**11**	**14**	**14**	**13**	**12**	**14**	**14**	**10**
Operating Balance	11	11	11	14	14	13	12	14	14	10
Annual Change	28	-1	1	2	1	-1	-1	2	0	-4
% of Provincial GDP	2.5	-0.1	0.0	0.2	0.1	-0.1	-0.1	0.1	0.0	-0.3

2.2 Impact Comparisons

2.2.1 *Scenario 1: Government keeps federal balance gains*

This case considers the situation where the impacts brought in from external models, TIM and RIM, have EI contributions and federal tax rates fixed to their base case. Own-source revenue for fiscal year 2002/03 is expected to increase by $606,000. This value is expected to increase throughout the forecast period, and exceed the base case by $20.0 million during 2006/07, the peak year of AHPP construction. Most of this increase is to occur from personal income tax revenue. Federal transfers are lower after 2004 through the long term. The federal fiscal grant to the Yukon is lower in this impact case than in the base case after 2003, while other transfers increase throughout the scenario.

Total expenditures do not show much of a change throughout the impact scenario. Education spending increases account for the only increase in government expenditures when compared to the base case.

Table 1.2: Scenario 1: Government keeps federal balance gains

Yukon

Budget Prospects

	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
	($ millions nominal, difference: impact less base)									
Total Budgetary Revenue	0.0	0.0	1.0	2.6	4.5	8.1	10.9	6.3	15.2	17.7
Own-Source Revenue	0.0	0.0	0.6	1.0	3.9	11.3	20.0	15.4	23.6	25.8
Personal Income Tax	0.0	0.0	0.4	0.7	2.7	7.9	13.7	10.4	15.9	17.5
Corporate Income Tax	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other, Own-Source & Recoveries	0.0	0.0	0.2	0.3	1.2	3.4	6.3	5.0	7.6	8.3
Federal Transfers	0.0	0.0	0.4	1.6	0.6	-3.2	-9.1	-9.1	-8.3	-8.1
Fiscal Grant	0.0	0.0	0.4	1.5	0.5	-3.4	-9.4	-9.5	-8.8	-8.6
Other Transfers	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.5
Total Expenditures	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1
Net Debt Charges	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Program & Capital Spending	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1
Education	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1
Health	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Balance	0.0	0.0	1.0	2.5	4.4	8.1	10.9	6.2	15.1	17.7
Operating Balance	0.0	0.0	1.0	2.5	4.4	8.1	10.9	6.2	15.1	17.7
Annual Change	0.0	0.0	1.0	1.5	1.9	3.6	2.8	-4.6	8.9	2.5
% of Provincial GDP	0.0	0.0	0.1	0.1	0.1	0.2	0.2	-0.3	0.6	0.2

2.2.2 *Scenario 2: Government recycles federal balance gains*

This case originates from the TIM and RIM cases where EI contribution rates and federal tax rates decline. Own-source revenue for fiscal year 2002/03 is expected to increase by $755,000. This impact is expected to increase throughout the forecast period, and exceed the base case by $25.7 million in 2006/07. Most of this increase is to occur from personal income tax. Federal transfers are lower after 2004 through the long term. The federal fiscal grant to the Yukon is lower in this impact case than in the base case after 2003, while other transfers increase throughout the scenario.

Total expenditures do not show much of a change throughout the impact scenario. Education spending in the impact case accounts for the only increase in expenditures versus the base case.

Table 1.3: Scenario 2: Government recycles federal balance gains

Yukon

Budget Prospects

	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
	($ millions nominal, difference; impact less base)									
Total Budgetary Revenue	0.0	0.0	1.1	2.9	5.1	10.4	15.8	12.3	20.8	24.0
Own-Source Revenue	0.0	0.0	0.8	1.5	4.7	14.1	25.7	22.0	29.0	31.6
Personal Income Tax	0.0	0.0	0.5	1.1	3.3	9.8	17.7	14.9	19.6	21.3
Corporate Income Tax	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other, Own-Source & Recoveries	0.0	0.0	0.2	0.4	1.4	4.3	8.1	7.1	9.4	10.2
Federal Transfers	0.0	0.0	0.4	1.4	0.4	-3.6	-10.0	-9.7	-8.2	-7.6
Fiscal Grant	0.0	0.0	0.4	1.3	0.3	-3.8	-10.3	-10.1	-8.7	-8.3
Other Transfers	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.7
Total Expenditures	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Net Debt Charges	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Program & Capital Spending	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Education	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Health	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Balance	0.0	0.0	1.1	2.8	5.1	10.3	15.7	12.2	20.7	23.9
Operating Balance	0.0	0.0	1.1	2.8	5.1	10.3	15.7	12.2	20.7	23.9
Annual Change	0.0	0.0	1.1	1.7	2.2	5.3	5.4	-3.5	8.5	3.1
% of Provincial GDP	0.0	0.0	0.1	0.1	0.2	0.3	0.2	-0.2	0.5	0.2

2.3 Comparison between the Impact Cases

Own-source revenue in Scenario 2 is $149,000 greater in 2002/03 than in Scenario 1,an d this difference expands to $5.7 million by 2006/07,t he peak year.T he fiscal grant for Scenario 1 exceeds Scenario 2 by $67,000 in 2002/03, and grows to a difference of $916,000 by 2006/07. Government expenditures are the same in both scenarios.

2.4 FiscalG rant changes due to Tax Levela nd Rate changes

The fiscal grant changes with tax revenues and will vary depending on the reason for the change in tax revenues. For example, the territory's fiscal grant should be higher if tax revenues increase due to a change in rates, than if the territory's tax revenues increase by the same amount due to an increase in the tax base or total personal income (level).T hus, total tax revenues can increase by the same amount, but the fiscal grant change depends on how those revenues increased. The table below helps to illustrate this difference in the fiscal grant's calculation. Taxes shown here include personal income tax,c orporate income tax and tobacco tax, and are calculated in Scenario 2.

2.4.1 *Personal Income Tax*

The fiscal grant for 2003/04 is $3.55 million greater with a 0.1 percentage point increase in the personal income tax rate than with an equivalent level increase of $1.05 million in personal income tax revenues from more people earning more money. This difference grows to $5.32 million for the tax rate change case by 2006/07. In order to capture fiscal grant differences, the tax revenues were adjusted so the difference between cases is zero. The rate and tax base adjustments used are included in Table 2.1.

Table 2.1: Fiscal Grant Comparisons, $millions

	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
Personal Income Tax										
Income Tax revenue with rate adjustment	$34.07	$34.73	$35.52	$38.58	$43.49	$53.20	$65.03	$65.43	$74.54	$80.53
Rate adjustment				0.100	0.100	0.100	0.100	0.100	0.100	0.100
Income Tax revenue with level adjustment	$34.07	$34.73	$35.52	$38.58	$43.49	$53.20	$65.02	$65.43	$74.54	$80.53
Level adjustment				$1.045	$2.273	$4.023	$6.433	$7.957	$10.639	$13.102
Tax Revenue Difference	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Fiscal Grant with Rate adjustment	$366.56	$344.60	$362.84	$382.46	$395.62	$406.27	$415.08	$429.72	$443.92	$456.45
Fiscal Grant with Level adjustment	$366.56	$344.60	$362.84	$378.90	$391.77	$401.93	$409.76	$423.22	$437.38	$449.00
Fiscal Grant Difference	$0.00	$0.00	$0.00	$3.55	$3.86	$4.35	$5.32	$6.50	$6.54	$7.45

2.4.2 *Corporate Income Tax*

The fiscal grant for 2003/04 is $1.19 million greater with a 0.15 percentage point increase in the corporate income tax rate than with an equivalent level increase of $1.26 million in corporate income tax revenues from more corporations earning greater profits. This difference grows to $2.12 million for the tax rate change case by 2006/07. A rate adjustment for one year will affect all future tax revenues. In order to capture fiscal grant differences, the tax revenues were adjusted so the difference between cases is zero. The rate and tax base adjustments used are included in Table 2.2.

Table 2.2: Fiscal Grant Comparisons, $millions

	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
Corporate Income Tax										
Income Tax revenue with rate adjustment	$8.75	$8.04	$7.92	$9.64	$11.68	$14.15	$17.15	$20.77	$25.17	$30.49
Rate adjustment				0.150	0.150	0.150	0.150	0.150	0.150	0.150
Income Tax revenue with level adjustment	$8.75	$8.04	$7.92	$9.64	$11.68	$14.15	$17.15	$20.77	$25.17	$30.49
Level adjustment				$1.258	$1.524	$1.845	$2.237	$2.709	$3.283	$3.977
Tax Revenue Difference	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Fiscal Grant with Rate adjustment	$366.56	$344.60	$362.84	$380.05	$393.13	$403.59	$411.80	$425.65	$440.39	$452.70
Fiscal Grant with Level adjustment	$366.56	$344.60	$362.84	$378.86	$391.68	$401.84	$409.68	$423.08	$437.28	$448.92
Fiscal Grant Difference	$0.00	$0.00	$0.00	$1.19	$1.45	$1.75	$2.12	$2.57	$3.12	$3.77

2.4.3 *Tobacco Tax*

The fiscal grant for 2003/04 is $0.82 million greater with an increase of 0.15% in the per cent of personal income that is taxed from tobacco purchases than with an equivalent level increase of $2.67 million in tobacco tax revenues from more people purchasing tobacco. This difference grows to $2.31 million for the tax rate change case by 2006/07. A rate adjustment for one year will affect all future taxation revenues. In order to capture fiscal grant differences, the tax revenues were adjusted so the difference between cases is zero. The rate and tax base adjustments used are included in Table 2.3.

Table 2.3: Fiscal Grant Comparisons, $millions

	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
Tobacco Tax										
Tobacco Tax revenue with rate adjustment	$5.25	$5.34	$5.46	$8.41	$11.11	$15.42	$21.27	$23.78	$29.56	$34.44
Rate adjustment				0.150	0.150	0.150	0.150	0.150	0.150	0.150
Tobacco Tax revenue with level adjustment	$5.25	$5.34	$5.46	$8.41	$11.10	$15.42	$21.27	$23.79	$29.56	$34.43
Level adjustment				$2.665	$4.857	$8.045	$12.424	$15.037	$19.814	$24.144
Tax Revenue Difference	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Fiscal Grant with Rate adjustment	$366.56	$344.60	$362.84	$379.40	$392.66	$403.16	$411.54	$426.00	$440.69	$453.29
Fiscal Grant with Level adjustment	$366.56	$344.60	$362.84	$378.58	$391.40	$401.50	$409.22	$422.81	$437.12	$448.85
Fiscal Grant Difference	$0.00	$0.00	$0.00	$0.82	$1.26	$1.67	$2.31	$3.19	$3.57	$4.43

2.5 The Perversity Factor

It is possible for territorial expenditures to increase beyond "new" territorial revenues due to pipeline construction plus the change in the fiscal grant. Thus, the territorial government can effectively be penalized because of the pipeline project if a revenue shortfall is caused by a decrease in the fiscal grant. This is done by the federal government "clawing back" any additional revenue due to a tax base increase, as illustrated in Section 2.4. Claw backs due to tax base increases effectively reduce the fiscal grant, which is currently 66% of the territorial government's revenue.

There is a provision in the formula financing agreement, Section 4, New Federal Initiatives, that may allow for an adjustment to the gross expenditure base or eligible revenues. If this does not prevent the Yukon from being "penalized" by increases to its tax base because of the existence of a natural gas pipeline, there may be another course of action that can be pursued by the territorial government. In the Federal-Provincial Fiscal Arrangement Act, there is a "generic solution". This refers to when a provincial industry represents more than 70% of total taxation revenues received in Canada, for that industry. For every extra dollar earned in tax revenue resulting from an increase in the tax base, the federal government claws back $0.70 of the extra dollar earned, rather than all of the additional revenue. Some sort of arrangement will be advantageous for the Yukon government regarding increases in their tax base. The current system is set up in a manner that allows the territory to be "penalized" through the possibility of the federal government taking back more than one dollar for every dollar earned with an increase in the tax base in the Yukon. There is no clear solution to the increase in territorial expenditures and how that will affect the fiscal grant.

3 Conclusions

The fiscal model helps to determine the change in the fiscal grant, depending on the prevailing situation. Increased economic activity induced in the Yukon should have little effect on its overall fiscal balance, since new own-account revenues will be offset by reductions in the federal fiscal grant. If the territorial government requires additional expenditures, and if it is unable to raise revenues without losing an equal portion of its fiscal grant, then it will find itself in a fiscal "squeeze".

4 Appendix: Result Tables for the Impact Cases

Table 3.1: Scenario 1: Government keeps federal balance gains

Yukon

Budget Prospects

	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
	($ millions nominal)									
Total Budgetary Revenue	552	546	567	592	616	642	667	683	713	735
Own Source Revenue	166	181	182	190	200	214	230	233	249	259
Personal Income Tax	34	35	35	37	41	47	55	53	60	64
Corporations Income Tax	9	8	8	8	9	9	10	10	11	11
Other, Own Source & Recoveries	123	139	139	145	150	158	166	170	178	184
Federal Transfers	386	365	384	402	416	427	437	450	464	476
Fiscal Grant	367	345	363	379	392	403	411	424	438	449
Other Transfers	20	20	22	22	23	24	25	26	27	27
Total Expenditures	541	535	554	576	597	620	643	663	684	708
Net Debt Charges	0	0	0	0	0	0	0	0	0	0
Program & Capital Spending	541	535	554	576	597	620	643	663	684	708
Education	108	102	101	103	104	106	106	107	108	109
Health	134	133	134	138	143	147	152	158	164	170
Other	299	300	319	334	350	367	385	398	413	428
Balance	**13**	**11**	**12**	**16**	**19**	**21**	**23**	**20**	**29**	**28**
Operating Balance	11	11	12	16	19	21	23	20	29	28
Annual Change	28	-1	2	4	3	3	2	-3	9	-1
% of Provincial GDP	2.5	0.0	0.1	0.3	0.2	0.2	0.1	-0.2	0.5	-0.1

Table 3.2: Scenario 2: Government recycles federal balance gains

Yukon

Budget Prospects

	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
					($ millions nominal)					
Total Budgetary Revenue	552	546	567	592	616	644	672	689	719	742
Own Source Revenue	166	181	182	191	201	217	236	240	254	265
Personal Income Tax	34	35	36	38	41	49	59	57	64	67
Corporations Income Tax	9	8	8	8	9	9	10	10	11	11
Other, Own Source & Recoveries	123	139	139	145	151	159	168	172	180	186
Federal Transfers	386	365	384	402	416	427	436	450	464	477
Fiscal Grant	367	345	363	379	392	402	410	424	438	449
Other Transfers	20	20	22	22	23	24	25	26	27	27
Total Expenditures	541	535	554	576	597	620	643	663	684	708
Net Debt Charges	0	0	0	0	0	0	0	0	0	0
Program & Capital Spending	541	535	554	576	597	620	643	663	684	708
Education	108	102	101	103	104	106	106	107	108	109
Health	134	133	134	138	143	147	152	158	164	170
Other	299	300	319	334	350	367	385	398	413	428
Balance	**13**	**11**	**13**	**16**	**19**	**24**	**28**	**26**	**35**	**34**
Operating Balance	11	11	13	16	19	24	28	26	35	34
Annual Change	28	-1	2	4	3	4	5	-2	8	-1
% of Provincial GDP	2.5	0.0	0.1	0.3	0.2	0.2	0.2	-0.1	0.5	0.0

Alaska Highway Pipeline Project and Union Linkages

Working Paper No. 7.2.7

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Informetrica
Limited

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Alaska Highway Pipeline Project and Unions: Linkages

1 Background

Proponents or general contractors on large construction projects typically have a project agreement with the relevant unions in place before starting construction. Avoiding strikes and other labour disruptions is of paramount importance to project proponents, as any delay in the construction is likely to be extremely costly. At the same time, a large project provides a major opportunity for unions and their workers to secure multi-year employment. There is a win-win situation that should lead to a stable labour agreement. This also is expected to be the case for the Alaska Highway Pipeline.

The four main unions associated with building pipelines are:

- United Association of Plumbers and Pipefitters (UA)
- Teamsters
- International Union of Operating Engineers
- Laborers International Union

Typically, all contractors and sub-contractors on a project have to sign the collective agreement and the labour force is dispatched by union hiring halls. However, the unions place great importance on local hiring priority. Local hire and union/First Nations issues are discussed below.

Other unions are also involved in some pipeline construction sub-contracts, including the International Brotherhood of Carpenters and Joiners and the International Brotherhood of Electrical Workers in compressor station construction, as well as the Hotel and Restaurant Employees and Bartenders International Union for construction camp workers.

1.1 Project Labour Requirements

A detailed examination of the Alaska Highway Pipeline Project labour requirements can be found in the Informetrica working paper *7.4.1 Human Resource Dimensions of the Alaska Highway Pipeline Project: Yukon*. Much of the information included in that paper is courtesy of Foothills Limited.

A summary of the numbers of workers (within the jurisdiction of the unions) required for pipeline and compressor and metre station construction is given in the tables below.

Table 1: AHPP Employment by Season for Canada — Main Union Jurisdictions

	2005		2006		2007		Total	% of Total Employment
	Winter	Summer	Winter	Summer	Winter	Summer		
Operators	112	533	922	1,755	831	1,645	5,797	27.0%
Labourers	112	533	446	1,154	440	1,092	3,777	17.6%
Teamsters	56	178	342	659	340	605	2,180	10.2%
Welders	-	89	325	514	329	453	1,710	8.0%

Note: These are direct employment figures for the pipeline construction and do not include trucking pipe to stockpile areas and other related work.

Table 2: AHPP Employment by Season for Canada — Building Trades and Other Jurisdictions

	2005		2006		2007		Total	% of Total Employment
	Winter	Summer	Winter	Summer	Winter	Summer		
Camp	56	89	223	371	237	331	1,306	6.1%
Pipefitters	-	-	130	138	120	128	516	2.4%
Electricians	-	-	88	94	81	87	351	1.6%
Labourers	-	-	59	63	56	60	237	1.1%
Carpenters	-	-	39	41	37	39	156	0.7%
Operators	-	-	23	25	22	23	93	0.4%
Millwrights	-	-	15	16	14	15	61	0.3%
Painters	-	-	16	17	15	16	63	0.3%

Note: Camp employment is for both pipeline and compressor and metre station construction. All other figures are for compressor and metre station construction only.

2 Unions and labour relations in the Yukon

Of the four main unions involved in pipeline construction, only the UA is currently active in construction in the Yukon. The Teamsters represent the employees of a number of retail stores and transportation companies, as well as a concrete plant, but no construction workers. The last Operating Engineers bargaining unit was the City of Whitehorse bus drivers, who joined the Public Service Alliance a few years ago. Collective bargaining in the Yukon is subject to the Canada Labour Code as there is no territorial labour legislation. The Canada Labour Code, unlike some provincial labour codes, does not have any special provisions or regime for construction.

None of the highway, road and bridge or engineering construction firms active in the Yukon is unionized, although some might have collective agreements in other jurisdictions. These local non-union firms may have problems bidding on pipeline related sub-contracts. However, there are examples where non-union sub-contractors have been allowed on pipeline projects.

One model that might be considered is the "employment agency" used on major hydro projects in BC and on the Vancouver Island Highway Project. In those projects, all workers were employees on the payroll of a company set up especially to hire the labour force and negotiate the collective agreement. The contractors then used workers who were technically not their employees, and therefore did not have to sign collective agreements. There were some provisions for these contractors to use some of their regular non-union employees.

2.1 Unions, First Nations and Local Hire

Although sometimes perceived as opposed to local hire and special hiring arrangements for First Nations, the unions involved in pipeline construction have become promoters of both. Before construction begins, any unions not already established in the Yukon will set up local hiring halls and make the hiring of local members (including those recently joined) the first priority.

On recent pipeline projects, the unions, along with the companies, also established targets for First Nation hiring. The Alliance pipeline project — built from north-eastern BC through Alberta and Saskatchewan to Chicago in 1999/2000 — is an example. At peak construction, 285 First Nation people made up nearly 10% of the Canadian workforce and an additional 107,000 person-hours of pipeline related work was done by First Nation people through the awarding of $23m worth of contracts to First Nation and joint venture firms.

3 Potential Skills Shortages

The Yukon will not come close to filling the demand for labour — and particularly skilled labour — during the construction of the pipeline. Even if the territory reached full employment (with every currently unemployed person employed on the project) about half the jobs would remain unfilled. And the mismatch between the unemployed and the skills required for many pipeline jobs means that it is unlikely that Yukoners could realistically fill more than 20% of the jobs. In occupations such as the main pipe welders, there is the requirement that one not only have certification, but also 10 years of pipeline experience. Other skilled trades also require years of acquiring training and experience through apprenticeships.

3.1 Training and apprenticeship

The four unions, along with a number of pipeline contractors have formed a joint council for northern pipeline construction, the Northern Pipelines Projects Group in Calgary. The Northern Pipeline Projects Group is gearing up to provide information to local communities and to co-ordinate training. The Group intends to start a community information tour once decisions are made about the pipeline route.

Each of the individual unions have training programs for pipeline workers and have indicated their willingness to provide the programs to Yukon residents and to work with First Nations to ensure their participation. Training programs directed to pipeline construction will not be started until decisions on the route and timing of construction are announced.

Whitehorse Local 310 of the United Association of Plumbers and Pipefitters has started a pipefitting training and apprenticeship program. This program was directed mainly, but not exclusively, to Aboriginal workers and obtained the co-operation of a number of Yukon First Nations, as well as Aboriginal union contractors in Alberta. After taking a pre-employment course offered by the union at Yukon College, the trainees were offered apprenticeship employment in the pipe-fitting trades with aboriginal and other contractors in Alberta, mainly in Fort McMurray. Although the training is not directly aimed at pipeline construction, union officials believe it serves as a model that could be used once pipeline construction is confirmed.

The pipefitting apprenticeship program also serves as a reminder that the proper training of skilled trades people requires years, not weeks or months. And simple training without experience — preferably extensive experience — may not be enough to ensure the hiring of local people.

Alaska Highway Pipeline Project and the Environment

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Alaska Highway Pipeline Project and the Environment

1 Background

The construction and operation of a large project such as the proposed Alaska Highway Pipeline Project will inevitably have environmental impacts, both locally in the pipeline corridor and on a wider scale. Wider scale impacts range from using gravel sources and campsites outside the corridor up through possible impacts on global warming.

The purpose of this paper is to give a very brief overview of environmental impacts that will be of concern if an Alaska Highway Pipeline is built. The issues discussed below have all been raised in the literature from the initial hearings for the pipeline in the late 1970s, in the more recent literature, and in recent discussions with local environmental NGOs and in feedback from the Yukon's Department of Renewable Resources on an earlier draft of this paper.

1.1 Position of local environmental groups

The two most active environmental NGOs in the Yukon — the Yukon Conservation Society and the Yukon chapter of the Canadian Parks and Wilderness Society — have very similar positions on the proposed Alaska Highway Pipeline. Both have signed (along with a number of other NGOs) the "Northern NGO Statement of Principles for Oil and Gas Development." The statement calls for a system of protected areas to be completed and for detailed regional land use plans before construction begins. There is also a call for a rigorous environmental assessment process that includes examination of a no-go option and of the likely cumulative effects of the project.

Perhaps the core position of the local NGOs might fairly be summarized as "show us the project." Both YCS and CPAWS wish to see a formal, detailed proposal on the table before taking a detailed position on many of the potential issues. When the likelihood of a pipeline being constructed increases, it is expected that other voices will convey their opinions with respect to environmental issues. These voices would include First Nations, the Yukon Fish and Wildlife Management Board, communities along the route, and the Renewable Resource Councils.

2 Construction Impacts

2.1 General impacts

The general environmental concerns and impacts — both potential and likely — of construction include habitat disruption and loss, wildlife displacement, stream crossings, and erosion. The majority of these effects are thought to be of a temporary nature if planned right and stringent reclamation and construction techniques are employed.

2.1.1 *Habitat disruption and loss*

The construction of a pipeline will inevitably have some disruptive effects on wildlife and wildlife habitat. Both the right of way (ROW) and the various side roads, staging areas etc. will be cleared, resulting in habitat disruption and loss. If the clearing leads to increased access along the ROW by recreational vehicles (snowmobiles and ATVs) it could result in disturbance, habitat destruction and increased hunting pressure. Discussions will be necessary about the use of the ROW with all interested parties.

2.1.1.1 Southern Lakes Caribou Winter Habitat

The specific effects of pipeline construction on the Yukon's Southern Lakes Caribou herd received some attention in the environmental studies conducted in the late 1970s. With the increased public awareness and concern for the herd — and the recovery plan now in place to increase its size— the wellbeing of the herd will likely become a much larger issue. Of special concern is the herd's winter habitat. Woodland caribou are particularly sensitive to human disturbance when in their winter range. Displacement of the animals from prime feeding areas and disruption of their movement and reproductive activity are likely. There is also the specific concern of creating a wolf hunting superhighway through much of the herd's winter range. Hopefully, proper timing of activities and seasonal construction windows will alleviate the majority of displacement and disturbance concerns.

2.1.2 *Stream crossings*

The impact of the pipeline crossing streams and rivers was one of the largest environmental concerns raised in the 1970s and early 1980s and remains so today. There are over 200 water crossings on the Foothills route, approximately 60 of which support fish populations. These streams and their riparian areas are also rich in other wildlife habitat.

In general the issue of stream crossings by pipelines has lessened in importance somewhat as techniques such as horizontal and directional drilling under rivers and streams tend to be used much more now than they were 20 years ago. Such techniques can reduce the impact on the stream and its riparian zone to very low levels.

2.1.3 *Erosion*

As with any major project involving the movement of large quantities of earth, pipeline construction may produce unacceptable erosion impacts. This is a particular concern given that much of the route through the Yukon passes through regions of discontinuous permafrost. Good construction practices and proper revegetation of disturbed areas would minimize these impacts.

2.2 Site specific impacts

There are several specific sites along the existing Foothills pipeline easement that are of particular environmental concern. These include Kluane Lake, Sheep Mountain, and the Ibex Valley near Whitehorse. It should be noted that there have been several proposed changes to the route of the pipeline that, if implemented, would eliminate some of these specific areas of concern. An example is the proposal to avoid the Ibex Valley by routing the line across the Yukon River to the north of Whitehorse.

2.2.1 *Kluane Lake*

The topography around Kluane Lake makes routing decisions difficult. The highway corridor is squeezed tightly in many areas between the lakeshore and the boundary of Kluane National Park, leaving very little space for a pipeline. One possible solution is to lay the pipe (encased in concrete) on the lake bottom for the entire length of the lake. This would bring its own potential negative impacts and concerns but these would need to be balanced against the impacts on the riparian areas caused by construction between the highway and the lakeshore.

2.2.2 *Sheep Mountain & Slims River*

Concerns over the Dall sheep wintering range low on Sheep Mt. at the south end of Kluane Lake are geographically tied to the issues of crossing Kluane Lake discussed above. If the pipeline were to follow the highway route by Sheep Mt. and across the highly unstable silt of the Slims River estuary, there would certainly be considerable impacts on the sheep of the area as well as technical problems. It is highly likely that the pipe would be laid along the lake bottom at the south end of the lake at least in order to avoid the mountain and river.

2.2.3 *Ibex Valley*

The routing of the pipeline through the Ibex Valley to the southwest of Whitehorse has been a contentious environmental issue since the route around the town was chosen in the 1970s. The primary concern is over the impacts on the sheep and raptor populations of this narrow valley.

3 Operations Impacts

There are minimal environmental concerns around the operation of the pipeline. One possible impact is on air quality near the compressor stations through the creation of ice fog in the winter. Another is possible noise pollution if inadequate muffler systems are used on the compressor stations.

There is also the unknown effect of maintaining what could be a wider transportation corridor (the highway and the pipeline) on wildlife. The pipeline right-of-way (ROW) could provide increased recreational access — hunting, fishing, and snowmobiling — at the cost of greater environmental strain. This trade-off will need to be managed by the Yukon government and the adjacent communities, It is not clear that the pipeline project should be" blamed" for damage resulting from other uses of the ROW.

One possible environmental impact arises from the availability of natural gas as a fuel choice in Yukon. This could substitute for diesel in generating electricity in some locations. In Whitehorse there may be some opportunity to use natural gas in lieu of home heating oil or propane. As a substitute for propane, there may be little environmental advantage. Again, the pipeline enables the choice of alternative fuels. The environmental impacts should be evaluated as part of the decision process to use the fuels in Whitehorse.

There may be several mine sites at which natural gas (or electricity generated from natural gas) could be used in lieu of diesel fuel. This would reduce the emissions resulting from that mining development, as well as reducing its costs of production.

4 Yukon Cumulative Impacts

One of the overarching environmental issues connected with the proposed construction of the pipeline is the likely acceleration of oil and gas development that a pipeline will bring. Although proponents do not consider future oil and gas development impacts as connected to the pipeline, environmental groups see these impacts as large and long term and wish to have them noted and addressed in the environmental assessment of the project.

5 Continental and Global Issues

5.1 Natural gas as a clean fuel

One of the environmental arguments in favour of the construction of the pipeline is its potential to reduce general pollution levels (SOX, NOX, VOX, etc.) on a continental scale by allowing the substitution of cleaner burning natural gas for dirtier fuels such as coal. This argument holds only if the additional gas does replace other fuels rather than simply allow for additional energy use. Further, any gains from substitution over the life of the project must be greater than the pollution created during its construction for reduced net continental pollution levels to be an outcome.

5.2 Global Warming

The general issues around global warming are similar to those discussed in the section on gas as a clean fuel above. There will be a net reduction in the emission of greenhouse gases only if the additional gas delivered to southern markets does not translate into a higher net energy use.

One possible specific concern for the Yukon is how emissions may be charged or credited under the Kyoto Protocol. Will the territory be charged for compressor station emissions, for example, even if it is strictly Alaskan gas being transported? It probably will be charged, but this opens up the opportunity to consider other fuels for the compressor stations, such as hydroelectricity.

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Available at: www.cpaws.org/news/northern-oilgas-dev-principles.html

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Human Resource Dimensions of the AHPP: Yukon

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7.4.1 Human Resource Dimensions of the Alaska Highway Pipeline Project: Yukon

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Human Resource Dimensions of the Alaska Highway Pipeline Project: Yukon

The construction of the Alaska Highway Pipeline Project (AHPP) would provide employment opportunities for many Canadians, especially those in trades, transport, and equipment operations. This paper sets out to define how much labour demand would exist for such a pipeline to be built from a national and regional perspective. It then goes on to discuss where the potential labour supply would have to come from and identify any shortages. Finally, potential training capacity and strategies are covered before coming to our conclusions.

1 Demand for Occupations

1.1 Across Canada

Direct employment will vary both in terms of skills and in terms of magnitude during the construction and operation phases. The majority of the pipeline employment will come from direct pipeline construction that typically consists of five distinct groups.[1]

Labourers- includes powersaw operators, general labourers, drilling and blasting personnel, first aid attendants and swampers.

Operating Engineers- heavy equipment, including dozer, excavator, sideboom, crane, loader, track drill and grader, oilers and apprentice operators. Mechanics include heavy duty, truck, tire, and helpers. Other occupations include utility welders and service truck operators.

Teamsters- lowbed drivers, dump truck drivers, fuel truck drivers, warehouse clerks, pipe/pole trailer drivers, flat deck (5 ton) drivers, bus drivers and water truck drivers.

Plumbers and Pipefitters (Welders)- include journeymen welders and helpers, pipefitters as well as welding foremen.

Supervisory Staff- include project managers and superintendents, engineers and accounting staff. Most staff are not union members but require high levels of experience. Potential employment opportunities will exist in the accounting and clerical fields.

There will also be a variety of workers not physically working on the line such as camp workers responsible for providing food and shelter.

National impacts from TIM [2] have employment impacts that include direct, indirect and induced effects. Two separate impact scenarios have been produced:

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[1] For a detailed listing of these groupings see: **APPENDIX A Section 6.1**

[2] A more detailed assessment of the National Impacts and a description of TIM is available in: National Impact of AHPP, Informetrica Limited, Working Paper 6.1.1, March 2002.

Scenario 1: The federal government retains all gains in personal income tax revenue, corporate income tax revenue.

Scenario 2: The Federal government recycles the gains from personal and corporate income tax revenue back to the source by lowering tax rates.

Peak construction year, 2006, generates 28,500 jobs in scenario 1 and 43,400 jobs in scenario 2. The additional employment in scenario 2 is the result of increased induced effects from increased disposable income through lower tax rates.[3]

1.1.1 *Direct Effects*

Direct employment data received from Foothills Pipe Lines Limited has been used to analyze the expected occupational requirements for the AHPP.[4] Total employment will average just over 3,200 jobs per season directly on the pipeline or meter and compressor stations for the Canadian sections. However, employment will begin at roughly 600 workers the winter of 2005, peak at almost 5,700 workers in the summer of 2006, and finally close out the summer of 2007 with 5,250 employed. These numbers do not include other periphery labour or employment for trucking the pipe to stockpile sites. Direct employment numbers (with the exception of employment classified as above) can be seen in **Table 1.1**.

Occupations involved in direct pipeline construction (Pipeline Association) will be quite different than those required for the construction of both the meter and compression stations (Building Trades). **Table 1.1** also provides a more specific decomposition of occupations as well as comparing the differences between those trades necessary for pipeline construction and those for compressor and meter stations. Bear in mind that the magnitude of employment demand for the construction of the stations is around 1/11 the demand for the pipeline itself.

For direct pipeline employment, equipment operators will be the largest group totalling roughly 30 per cent of all pipeline occupations, followed by 20 per cent labourers and 11 per cent teamsters. Even though welders will be a critical group, they total just under 9 per cent of all occupations followed by 7 per cent inspectors & supervisors while camp workers and surveyors make up 7 per cent.

Across each province/territory, direct pipeline employment will follow different time paths as shown in **Table 1.2**. During 2005, pipeline segments in both the Yukon and British Columbia will get underway. Over the course of 2006, over 60 per cent of the national direct pipeline activity will be in the Yukon marking its peak year of construction. Employment in British Columbia does exhibit steady employment gains over the construction period giving it the highest share of activity in 2007. Construction in Alberta does not begin until the summer of 2006 holding a roughly 8 per cent share until employment peaks to close out construction in the summer of 2007.[5]

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[3] For details regarding national employment impacts see: **APPENDIX A Section 6.2**

[4] This employment data is with respect to a previous study commissioned by Foothills Limited, so all requests to view this document must be made through them. In this study, the employment profile of the pipeline was shorter as construction for meter and compressor stations are included throughout the construction period from 2002-07.

TABLE 1.1: AHPP Employment by Season for Canada

	2005		2006		2007		Total	% of Total Employment
	Winter	Summer	Winter	Summer	Winter	Summer		
Canada								
Pipeline Association								
Labourers	112	533	446	1,154	440	1,092	3,777	17.6%
Operators	112	533	922	1.755	831	1,645	5.797	27.0%
Teamsters	56	178	342	659	340	605	2,180	10.2%
Welders	-	89	325	514	329	453	1,710	8.0%
Supervision	56	133	205	368	208	342	1,312	6.1%
Technicians	-	-	12	18	13	16	59	0.3%
Inspection	45	71	228	376	239	332	1,291	6.0%
3rd Party	34	53	95	163	103	148	595	2.8%
Camp	56	89	219	367	233	327	1,290	6.0%
Survey	112	178	144	273	172	265	1,144	5.3%
NDE	-	-	19	29	19	25	91	0.4%
	581	**1,858**	**2,958**	**5,675**	**2,925**	**5,249**	**19,246**	**89.8%**
Building Trades								
Carpenters	-	-	39	41	37	39	156	0.7%
Electricians	-	-	88	94	81	87	351	1.6%
Insulators	-	-	24	25	22	24	95	0.4%
Ironwork Reinforced	-	-	16	17	15	16	63	0.3%
Ironwork Structural	-	-	31	33	29	31	125	0.6%
Labourers	-	-	59	63	56	60	237	1.1%
Millwights	-	-	15	16	14	15	61	0.3%
Operators	-	-	23	25	22	23	93	0.4%
Painters	-	-	16	17	15	16	63	0.3%
Pipefitters	-	-	130	138	120	128	516	2.4%
Teamsters	-	-	8	8	7	8	32	0.1%
Supervision	-	-	30	32	27	29	118	0.6%
Inspection	-	-	20	22	19	20	80	0.4%
3rd Party	-	-	31	33	30	32	125	0.6%
Camp	-	-	11	12	11	12	46	0.2%
Survey	-	-	4	4	4	4	16	0.1%
NDE	-	-	4	4	4	4	16	0.1%
	-	-	**549**	**585**	**512**	**548**	**2,195**	**10.2%**

TABLE 1.2: Regional Share of Direct Employment

PIPELINE CONSTRUCTION	2005		2006		2007		Total
	Winter	Summer	Winter	Summer	Winter	Summer	
Yukon	51.2%	50.0%	63.6%	59.9%	35.2%	39.1%	49.8%
Alberta	0.0%	0.0%	0.0%	8.2%	9.0%	14.0%	7.6%
British Columbia	48.8%	50.0%	36.4%	31.9%	55.8%	47.0%	42.6%
TOTAL	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

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[5] For direct pipeline construction estimates by province see: APPENDIX A Section 6.3

1.1.2 *Indirect and Induced Effects*

For a pipeline, indirect employment is jobs created as the result of increased demand for pipeline-related materials and services. For example, if construction of the pipeline requires an input of cement, cement suppliers would increase their supply to the market in order to compensate for the additional demand. The result is of course increased employment within these industries. Therefore, indirect effects tend to occur where the suppliers of these pipeline inputs are located. These could be anywhere in Canada or even outside of the country. Induced effects however, tend to be less regionalized as increased wages "induce" increased consumer spending across Canada. Even if spending increases solely in a local area, this in turn creates increased demand for suppliers across the nation. This leads to increased wages once more as the cycle continues. Given the wide range of consumer spending patterns, almost all industries can expect to have induced employment gains.

Induced effects in scenario 2 are higher than scenario 1 as tax cuts occur at both provincial and national levels. This increases disposable income in all provinces and territories, that in turn boosts consumption across the country. In percentage terms, the impact totals a 0.02 per cent gain in 2002, a peak of 0.17 per cent in 2006, and finally a 0.03 per cent impact to close out the construction phase. This amounts to a total of roughly 2640, 28520, and 4613 additional workers across the nation in these respective years. During the operations phase from 2008-12, employment actually falls enough for a negative impact in 2010 as price inflation reduces the manufacturing sectors' competitiveness in international markets. This carries out to 2015 where induced effects pickup and provide national employment with about a 0.03 per cent impact out to 2025. This can be seen in **Table 1.3**.

Table 1.4 shows the percentage impact of the AHPP for occupations across Canada[6]. During the construction period, demand is high across all occupations. Construction has the largest impact but other occupations also see very strong demand. Among these, machining and transportation equipment operators have the second and third largest impact as both are smaller groups that will be employed directly on the pipeline.

During the operations phase from 2008-12, demand for construction-based occupations remains strong along with sales and, to a lesser degree, transportation equipment operators. Farming and machining occupations fare poorly as fewer people are employed than in the base case.

---

[6] For the full detail of the occupational impacts in Canada see: Appendix A of Section 6.4

TABLE 1.3

SCENARIO 1: TOTAL EMPLOYMENT IMPACT

Construction Phase

	2001	2002	2003	2004	2005	2006	2007
Level Impact	0	2639	3366	7493	19081	28520	15338
Percentage Impact	*0.00*	*0.02*	*0.02*	*0.05*	*0.12*	*0.17*	*0.09*

Operations Phase (includes some construction even though the pipeline is operating)

	2008	2009	2010	2011	2012
Level Impact	4613	1248	-1555	-3801	-4145
Percentage Impact	*0.03*	*0.01*	*-0.01*	*-0.02*	*-0.02*

Operations Phase (Operations Only)

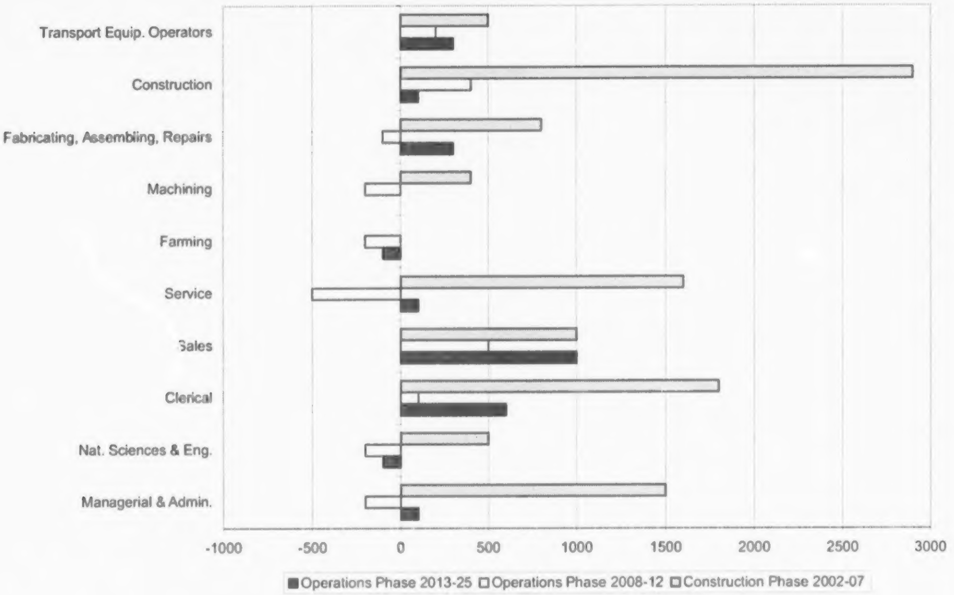
	2013	2014	2015	2016	2017	2018	2019
Level Impact	-3623	-2801	-1307	98	1137	2342	3645
Percentage Impact	*-0.02*	*-0.02*	*-0.01*	*0.00*	*0.01*	*0.01*	*0.02*

	2020	2021	2022	2023	2024	2025
Level Impact	4881	5785	6143	5674	6215	6742
Percentage Impact	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.04*

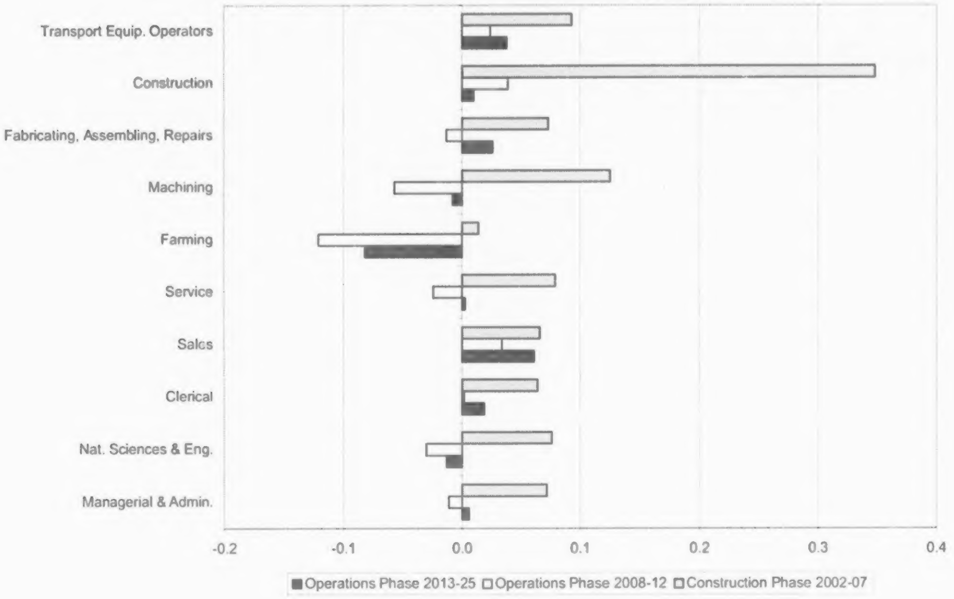
After 2012, induced effects from increased earnings create employment opportunities as consumer spending rises. This sparks sales occupations to do particularly well with an impact of roughly 0.06 per cent nationally, or roughly 1,000 workers. Other areas with large induced gains include: transportation equipment operators, fabricating, assembly & repairs, and clerical.

TABLE 1.4

Occupational Detail - Average Employment, Canada (Scenario 1)



Occupational Detail - Average Percentage Impact, Canada (Scenario 1)



1.2 Yukon

The Yukon section of the pipeline is anticipated to require six spreads over a three-year period, consisting of summer/winter seasons. Because of the extreme rocky and northern conditions, both the cost and total employment numbers are expected to be relatively higher per km of pipeline.

1.2.1 *Direct*

Depending on the amount of information available, some of the direct effects were easier to sort out then others. In order to keep all of the different components clear, the direct effects in the Yukon were divided into four groups: Pipeline Construction, Engineering and Project/Construction Management, Compressor and Meter Station Construction, and Operations Phase[7]. These numbers do not include other periphery labour such as trucking the pipe to stockpile sites.

1.2.1.1 Direct- Pipeline Construction

Of the total 1,005 miles of pipeline that will be running through Canada, over half of it, 517 miles will run through the Yukon itself. Given the difficulty of the northern terrain it is not surprising that over half of Canadian pipeline labour demand will be in the Yukon with 786,283 man days being required, roughly 53 per cent of the Canadian total.

The distribution of labour demand for different occupations in the Yukon is not unlike that of Canada for direct pipeline construction. Of total occupations, equipment operators will total roughly 31 per cent, labourers 19 per cent, teamsters 11 per cent, and welders 9 per cent. See **Table 1.5** for full details.

The average of 1,600 workers per year hides more than it reveals. However, the actual timing profile of the pipeline itself does change within regions as well as across territories and provinces. Approximately 300 workers will begin on the line in the winter of 2005, a peak of 3,400 workers will be reached in the summer of 2006, and construction will close out with 2,000 workers in the summer of 2007.

Table 1.6 illustrates the various time paths pipeline construction will follow within the given region. In the Yukon, roughly 13 per cent of the total construction will take place in 2005. Things then increase quite steeply as 20.9 per cent of the total pipeline construction employment takes place in the winter of 2006, and employment peaks at nearly 35 per cent in the summer of 2006. Employment then falls off in the winter of 2007 before picking back up for the completion of the line in the summer of 2007. British Columbia follows a very different time path with steady employment growth right through until the completion of the line in the summer of 2007.

---

[7] For total construction employment per season in the Yukon relating to the building of the pipeline, compressor stations, and meter stations see: Appendix A Section 6.5.

Alberta, where construction begins during the summer of 2006, has almost half of its total employment working in the last season of pipeline construction.

TABLE 1.5

Pipeline Construction

	2005		2006		2007		Total	% of Total Employment
	Winter	Summer	Winter	Summer	Winter	Summer		
Yukon								
Labourers	57	267	283	628	155	431	**1,821**	**19.0%**
Operators	57	267	603	1,067	300	649	**2,943**	**30.7%**
Teamsters	29	89	214	404	118	227	**1,060**	**11.3%**
Welders	-	44	208	344	111	176	**882**	**9.2%**
Supervision	29	67	130	206	75	124	**630**	**6.6%**
Technicians	-	-	8	14	4	6	**31**	**0.3%**
Inspection	23	36	147	253	79	132	**670**	**7.0%**
3rd Party	17	27	58	99	36	59	**296**	**3.1%**
Camp	29	44	139	238	79	130	**659**	**6.9%**
Survey	57	89	79	128	67	106	**526**	**5.5%**
NDE	-	-	13	22	6	10	**50**	**0.5%**
	297	**929**	**1,881**	**3,402**	**1,030**	**2,050**	**9,568**	**100.0%**

TABLE 1.6: Pipeline Construction Profile by Region

PIPELINE CONSTRUCTION	2005		2006		2007		Total
	Winter	Summer	Winter	Summer	Winter	Summer	
Yukon	3.1%	9.7%	19.6%	35.5%	10.7%	21.4%	100%
Alberta	0.0%	0.0%	0.0%	31.8%	18.0%	50.2%	100%
British Columbia	3.5%	11.3%	13.1%	22.1%	19.9%	30.1%	100%
TOTAL	**3%**	**10%**	**15%**	**29%**	**15%**	**27%**	**100%**

1.2.1.2 Direct- Compressor and Meter Station Construction

Construction of compressor and meter stations will provide some additional employment opportunities once the pipeline itself has been completed[8]. Three metering stations are expected to come online as of 2007 in Alaska, the Yukon and Alberta whereas compressor stations will be completed incrementally from 2007-12. Upon completion of these stations, there will no longer be direct construction opportunities, as employment will take the form of maintenance and monitoring as detailed in the operations phase. See **Table 1.7** for full details on compressor and meter stations.

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[8] A very specific list of occupations that will be involved in the construction of both the meter and compressor stations is also included in: Appendix A Section 6.1.

TABLE 1.7: Employment by Season for Meter and Compressor Stations

	2005		2006		2007		Total	% of Total Employment	
	Winter	Summer	Winter	Summer	Winter	Summer			
Yukon									
Carpenters	-	-	17	17	14	14	62	**7.5%**	0.6%
Electricians	-	-	33	34	24	25	115	**13.9%**	1.1%
Insulators	-	-	10	11	8	9	38	**4.6%**	0.4%
Ironworkers Reinforced	-	-	7	7	6	6	25	**3.0%**	0.2%
Ironworkers Structural	-	-	13	14	11	12	49	**6.0%**	0.5%
Labourers	-	-	25	26	21	22	94	**11.4%**	0.9%
Millwights	-	-	6	7	6	6	24	**2.9%**	0.2%
Operators	-	-	10	10	8	9	37	**4.5%**	0.4%
Painters	-	-	7	7	6	6	25	**3.0%**	0.2%
Pipefitters	-	-	52	54	40	42	188	**22.7%**	1.8%
Teamsters	-	-	3	4	3	3	13	**1.5%**	0.1%
Supervision	-	-	12	13	8	9	42	**5.1%**	0.4%
Inspection	-	-	9	9	7	7	33	**3.9%**	0.3%
3rd Party	-	-	13	14	11	12	50	**6.0%**	0.5%
Camp	-	-	5	5	4	4	18	**2.2%**	0.2%
Survey	-	-	2	2	1	1	6	**0.8%**	0.1%
NDE	-	-	2	2	1	1	6	**0.8%**	0.1%
	-	**-**	**226**	**234**	**180**	**186**	**827**	**100.0%**	**7.9%**

Compressor stations construction, though small relative to the pipeline will be reasonably sizeable providing employment for roughly 200 workers each winter/summer season from 2006-07. The occupational decomposition differs from that of the pipeline with almost 25 per cent of the workers being pipefitters, 14 per cent electricians, and 11 per cent labourers. With the exception of the pipefitters, this decomposition is more in line with what would be expected for basic building construction.

To complete the construction of the two Canadian metering stations will require around ten workers over two seasons. These workers will consist mainly of labourers, pipefitters, and electricians.

The timing of the construction of the meter and compressor stations will be similar by region over their construction period in 2006-07. **Table 1.8** shows that the Yukon will have just under 40 per cent of the total activity in both years while British Columbia has roughly 60 per cent and Alberta 2 per cent in 2007.

TABLE 1.8: Meter & Compressor Station Construction Profile by Region

METER & COMPRESSOR	2005		2006		2007		Total
	Winter	Summer	Winter	Summer	Winter	Summer	
Yukon	-	-	41.2%	40.1%	35.1%	34.0%	37.7%
Alberta	-	-	0.0%	0.0%	1.9%	2.0%	0.9%
British Columbia	-	-	58.8%	59.9%	63.0%	64.0%	61.4%
TOTAL	**-**	**-**	**100%**	**100%**	**100%**	**100%**	**100%**

1.2.1.3Direct- Engineering and Project/Construction Management

Demand for engineers and other related professionals are primarily over the early stages of development as well as the construction phase. During 2002-03, there will be some employment in both environmental and geotechnical engineering as studies and assessments of the line get underway. The main employment opportunities will be in project management and engineering as data are collected and planning takes place. From 2005-07, during the actual pipeline construction, it will be the project managers along with construction managers that will be coordinating the physical building of the line and constitute the bulk of the employment. Later, during the operations phase, there will be very little employment in these occupations.

1.2.1.4 Direct- Operations Phase

During the operations phase, employment totals for Canada will likely run up to a steady placement of just over three hundred employees[9]. Though the largest portion of this employment will occur in British Columbia, the Yukon is expected to receive a relatively similar share, while Alberta has very few direct employment gains. By 2013, once all the compressor stations have come online, employment is expected to total 146 workers in the Yukon, 172 in British Columbia and 9 in Alberta[10].

The major employment opportunities during the operations phase will come in the fields of management, administration, operators, valve technicians, pipeline technicians, supervisors, procurement specialists, communications engineers, and mechanical engineers.

Compressor stations, that provide the bulk of the employment, are expected to incrementally come online from 7 compressors running late 2007, to a final total of 24 compressors by late 2012. Ten of these are expected to be in the Yukon while the majority of them, fourteen, are expected to be set up in British Columbia. No compressor stations are anticipated in Alberta where just 40 miles of pipeline are needed before connecting into the main line in Gordondale, Alberta.

Two regional offices, employing roughly 25 people each, are anticipated to be located in both the Yukon and British Columbia. These would look after the servicing of the regional route and would be set up and fully staffed by 2006. The head office for the entire pipeline operations is likely to be set up in Alberta but would be part of an already existing infrastructure for gas distribution through the south. Therefore, we would expect a modest increase in employment at most[11].

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[9] An explanation of how our estimates were reached is available in: Direct Effects of the AHPP, Informetrica Limited, Working Paper 5.1.1, March 2002. Some discrepancies may arise due to rounding.

[10] For a detailed description of direct employment relating to the operations phase see: Appendix A Section 6.6

[11] There has since been a revision to the regional office employment to 34 in the Yukon, 33 in BC and 1 in Alberta in 2006. This has not been reflected in Impacts because this information was received too late in the process.

Two meter stations are expected to be situated in Canada. One would be in the Yukon while the other in Alberta. Each station is expected to house roughly nine employees and both would come online in November of 2007.

Depending on the necessity of providing workers to actually maintain and clear around the line, we estimate that a total of 31 employees will be needed in Canada. Our estimate has been based on the length of each segment in a given territory, as an expected 17 workers would be needed in the Yukon and 14 in British Columbia. This employment would begin in 2007 once the pipeline has begun operation.

1.2.2 *Indirect and Induced Effects*

Though there may be some permanent movement of workers into the territory, the majority will be temporary workers that will most likely be sending the majority of their paychecks back home. However, what money they do spend while working in the Yukon will create jobs. Induced effects as explained in section 1.1.2 will also be prevalent in creating additional employment in the Yukon[12].

Table 1.9 shows the total occupational impact in scenario 1 which includes direct effects (as detailed above), indirect effects, and induced effects for the Yukon. The employment impact begins with the introduction of 180 additional workers in 2002 as planning and studies get underway. By 2004, employment has climbed to 1,070 workers as initial preparations come to a close. In 2005, physical construction of the line begins with nearly 3,500 workers. By 2006, we reach the peak of our employment impact with an additional 6,940 workers in the Yukon. This quickly drops to 3,800 as the construction period closes out. Between 2005-07, during the building of the pipeline itself, employment in construction occupations will total roughly 30 per cent of the total employment in the Yukon.

During 2008-12 of the operations phase, some construction continues as compressor and meter stations are being built out. Employment tapers off steadily over this period as direct construction employment ends and these stations come online. By 2013, employment is entirely induced with about 600 new, permanent jobs created. Induced effects cause employment to rise right through until 2025 where impact levels total 1,200 employed.

Table 1.10 displays occupational groups that will see the largest percentage impact resulting from the pipeline. The dominant employment impact is of course in the construction industry itself. From 2002-07, construction employment will average roughly 1,090 workers with a peak year of 3,120 in 2006. During the operations phase employment is much lower, on average, 150 workers while the compressor and meter stations are being built and 80 induced jobs once this construction has finished.

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[12] For a full summary of occupational impacts for the Yukon see: Appendix A Section 6.7.

TABLE 1.9

SCENARIO 1: TOTAL EMPLOYMENT IMPACT, YUKON

Construction Phase

	2001	2002	2003	2004	2005	2006	2007
Level Impact	0	178	218	1068	3472	6937	3779
Percentage Impact	*0.0*	*1.4*	*1.7*	*8.3*	*26.7*	*53.2*	*28.7*

Operations Phase (includes some construction even though the pipeline is operating)

	2008	2009	2010	2011	2012
Level Impact	886	927	814	619	563
Percentage Impact	*6.8*	*7.1*	*6.3*	*4.8*	*4.4*

Operations Phase (Operations Only)

	2013	2014	2015	2016	2017	2018	2019
Level Impact	630	720	832	911	957	1011	1077
Percentage Impact	*4.9*	*5.6*	*6.5*	*7.1*	*7.5*	*7.9*	*8.4*

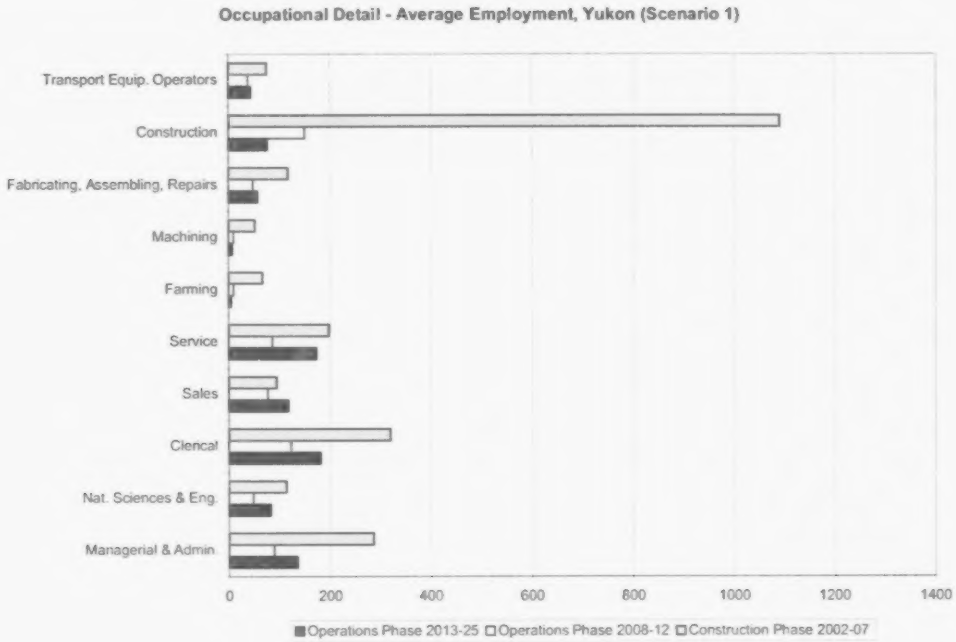
	2020	2021	2022	2023	2024	2025
Level Impact	1132	1170	1166	1154	1149	1186
Percentage Impact	*8.8*	*9.1*	*9.1*	*8.9*	*8.9*	*9.2*

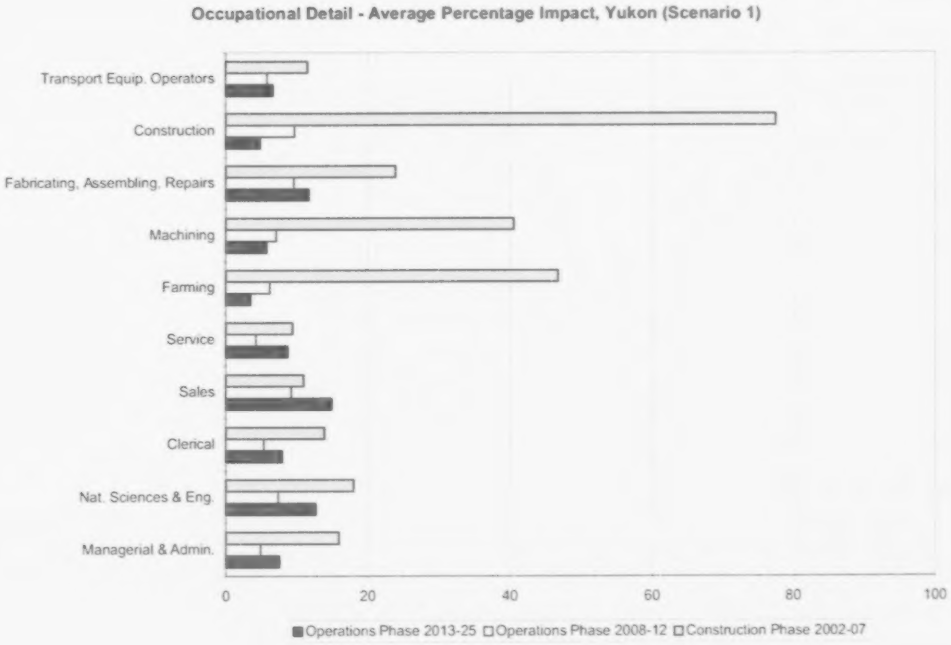
In terms of numbers, employment in managerial and administrative as well as clerical and related occupations is expected to be quite strong during pipeline construction. Both groups are expected to require an additional 300 workers within the Yukon. However, in impact terms, average annual employment is only expected to increase by roughly 5 per cent during the construction phase. Once the pipeline has been completed, demand does continue for these occupations with an average impact of 2-3 per cent during the operations phase.

With the exception of construction, machining and farming have the strongest employment demand during the construction phase even though not much actual employment is produced due to the small size of these groups. In the long term, very little employment in these occupations is induced by the construction of the pipeline.

Sales and services are expected to be in highest demand during the construction phase with an annual average of 100 and 200 new jobs created respectively. However, once the construction phase is complete and we move out towards 2025, increased consumer spending spurs on a lot of induced employment within these occupations. In fact, sales see the largest average percentage impact of 15 per cent from 2013-25.

TABLE 1.10


Occupational Detail - Average Employment, Yukon (Scenario 1)
Transport Equip. Operators
Construction
Fabricating, Assembling, Repairs
Machining
Farming
Service
Sales
Clerical
Nat. Sciences & Eng.
Managerial & Admin.
0
200
400
600
800
1000
1200
1400
■ Operations Phase 2013-25 □ Operations Phase 2008-12 □ Construction Phase 2002-07


Occupational Detail - Average Percentage Impact, Yukon (Scenario 1)
Transport Equip. Operators
Construction
Fabricating, Assembling, Repairs
Machining
Farming
Service
Sales
Clerical
Nat. Sciences & Eng.
Managerial & Admin.
0
20
40
60
80
100
■ Operations Phase 2013-25 □ Operations Phase 2008-12 □ Construction Phase 2002-07

Occupations in fabricating,a ssembling, and repairs are expected to have average employment gains of an additional 120 people during the construction period. During the operations phase, employment continues to be high as maintenance related to the pipeline takes place. Towards the tail end of the forecast, employment demand is quite strong with an average percentage impact of 12 per cent.

Natural sciences and engineering see strong employment demand during the construction phase with employment gains of over 100 people in the Yukon. Strong induced effects provide a 13 per cent average annual impact from 2013-25.

Table 1.11 details the total occupational impact for scenario 2. In the case where governments choose to recycle the increased revenue by effectively lowering tax rates, total employment numbers are higher by over 20 per cent during the construction of the pipeline. Employment peaks at 8,250 workers in 2006 and closes out the construction of the pipeline with an additional 5,300 workers employed. After 2013, induced employment is roughly 600 workers higher than in the case where governments choose to put additional revenue towards debt reduction. In impact terms, this amount to an additional 4.5 per cent increase between cases.

TABLE 1.11

SCENARIO 2: TOTAL EMPLOYMENT IMPACT, YUKON

Construction Phase

	2001	2002	2003	2004	2005	2006	2007
Level Impact	0	224	364	1321	4169	8259	5291
Percentage Impact	*0.0*	*1.8*	*2.9*	*10.3*	*32.1*	*63.3*	*40.2*

Operations Phase (includes some construction even though the pipeline is operating)

	2008	2009	2010	2011	2012
Level Impact	1917	1899	1821	1482	1372
Percentage Impact	*14.7*	*14.6*	*14.0*	*11.4*	*10.6*

Operations Phase (Operations Only)

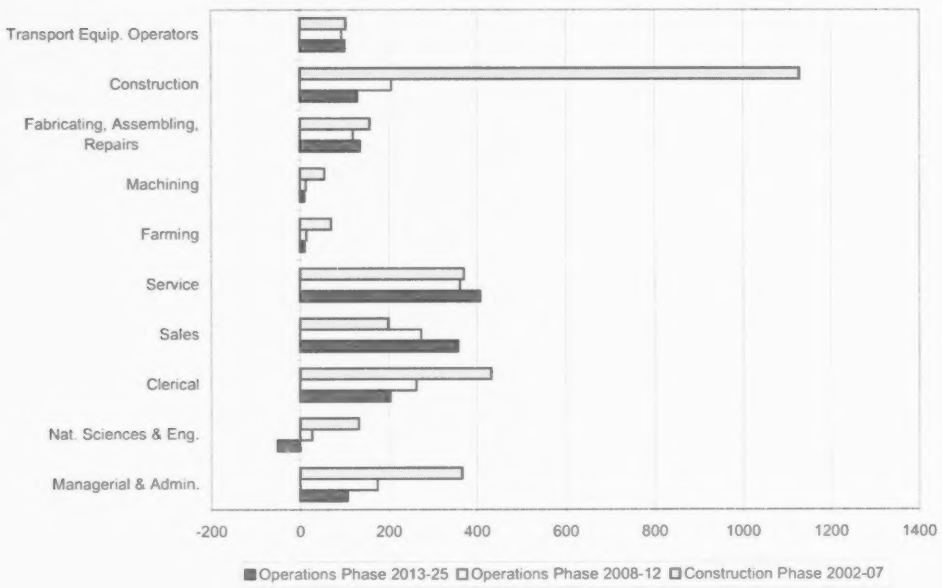
	2013	2014	2015	2016	2017	2018	2019
Level Impact	1199	1208	1254	1319	1359	1439	1542
Percentage Impact	*9.3*	*9.4*	*9.8*	*10.3*	*10.6*	*11.3*	*12.0*

	2020	2021	2022	2023	2024	2025
Level Impact	1662	1762	1839	1703	1803	1765
Percentage Impact	*12.9*	*13.7*	*14.3*	*13.2*	*13.9*	*13.7*

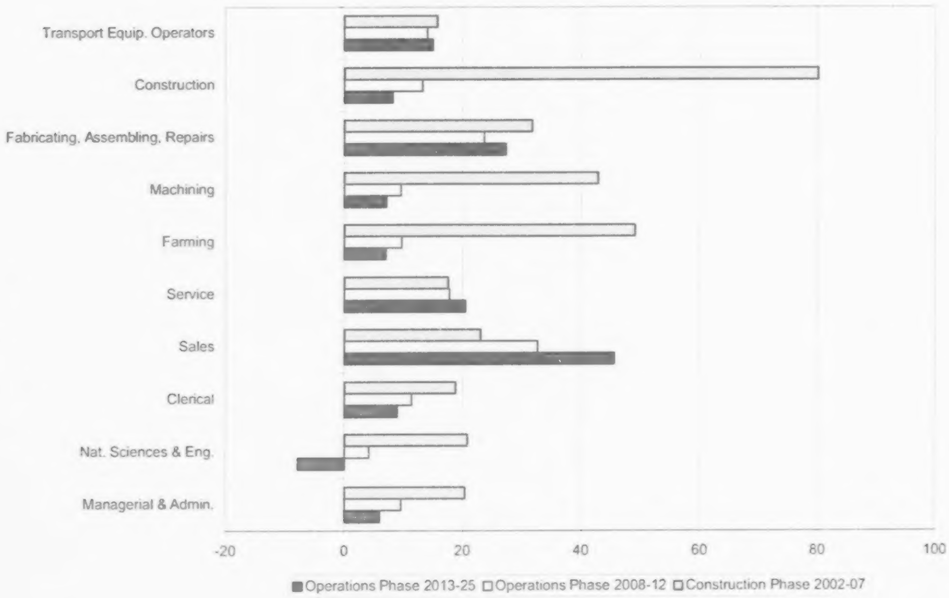
The largest distinction between the two scenarios is the stronger induced effects in scenario 2. This is the result of increased personal disposable incomes as effective tax rates fall. In this scenario, increased consumer spending creates an additional 31 per cent average impact in sales employment from 2013-25. Services along with fabricating, assembly, and repairs also see very strong demand with 27 per cent average impacts, an increase of 15 per cent from scenario 1. See **Table 1.12** for the average impact and percentage impact in the Yukon for the case where governments choose to recycle revenue from the pipeline.

TABLE 1.12

Occupational Detail - Average Employment, Yukon (Scenario 2)



Occupational Detail - Average Percentage Impact, Yukon (Scenario 2)



2 Supply of Occupations

2.1 Overall Labour Supply

Canada is large enough to be able to supply the bulk of labour needed during pipeline construction. The majority of the occupations needed for pipeline construction will be in areas of labourers, operating engineers, teamsters, and plumbers & pipefitters. All of these trades can be found across Canada so we expect that availability as well as proximity to the pipeline will be the major determinants of supply. British Columbia and the Yukon are likely to be some of the larger suppliers of labour. Alberta, even with its close proximity and a small segment of the line being built within the province, already has significant strain on its labour markets with the construction of oilsands projects around Fort McMurray. Many potential pipeline workers will be tied up in these major construction projects and will not be in a position to leave the province. Saskatchewan and Manitoba not expected to be major suppliers as they lack highly specialized pipeline workers and even with the reasonably close proximity of the Prairies, labour markets are expected to be tight throughout these regions. Central Canada is too far away from the pipeline construction to be a major supplier. The east coast is expected to provide some workers for the more highly specialized skilled occupations. Specifically journeyman welders and people with previous pipeline experience would be likely to work on the AHPP.

It is likely that some labour, mainly for specialized skills, will need to be provided from outside of Canada. At this stage, it is not clear how large such a contingent would be or where it would be coming from. Pipeline size will have a direct impact in determining the type of skills necessary for construction and ultimately who ends up supplying the labour. In the case of a 42" or smaller pipe, the vast majority of the supply will be domestic, but still likely that there may not be enough highly skilled labour to adequately satisfy all of the pipeline demand. For a 48" or greater pipeline, even if the materials could be supplied from North America, the automated welding equipment to work on a 48" pipe would either have to be manufactured or obtained from overseas. This machinery would require trained workers with the necessary skill sets and experience for welding such a line and a greater proportion of foreign labour supply is likely.

The distribution of trades, transport, and equipment operators in 1996 was roughly identical across those main provinces of interest with the exception of the Yukon and Northwest Territories who had roughly 2-3 per cent more trades and related occupations in their labour force. It is more likely that these areas would be able to provide a higher proportion of labour[13].

2.2 Local Yukon Labour Supply

As of June 2001, the population of the Yukon was 30,328. Since around 1997, there has been a continuing decline in the territory with population dropping roughly 2,000 people to date. This has left a great deal of capacity in the territory for any expansion that might occur as the result of the pipeline. Consideration should be made for possible retention of workers who may be able to provide additional long-term labour supply for many of the induced jobs as well as possible long-term employment in pipeline operations. This could help to stabilize population or even provide sizable growth.

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[13] For full details on the distribution of trades, transport, and equipment operators across regions see: Appendix B Section 7.1.

It will be desirable for pipeline officials to recruit as much local labour from the Yukon as possible, given that studies have shown northerners to have lower turnover rates when working in a northern climate.

Though unemployment in the Yukon has tended to be on the decline over the last few years, high unemployment rates have continued to be a persistent challenge. At 9.7 per cent in December of 2001, it can be expected that there will be ample room for employed positions in the scenario of the AHPP being built. With the potential for somewhere in the order of 7,000-8,000 jobs being created in the Yukon during the peak years of construction (without including engineers and project/construction management), the labour market is apt to become incredibly tight. Even though many may lack the necessary skills to work directly on the pipeline, openings in other lower end jobs will come about as people leave their current position to take advantage of the higher wages being offered on the pipeline.

The Yukon is not large enough to supply the necessary labour for the territory during the construction period. Given a total unemployment level of 1,400 in December of 2001 and a potential average of nearly 3,000 positions to be filled each year, the Yukon could currently supply only half of the labour requirements, assuming the Yukon economy could reach full employment during pipeline construction are that participation rates do not change dramatically. During peak years, the Yukon would only be able to potentially fill one-quarter of the jobs required. However, this assumption is far from realistic with many workers not having the necessary skills to work on the line. Even though some people are likely to leave their current employment for the higher wages offered on the pipeline, the newly available positions are not necessarily going to be filled. Unemployed construction or trades workers are quite likely to all find employment with the construction of the pipeline whereas it may be more difficult for those with unrelated skill sets.

The construction phase of the AHPP has the greatest impact on the trades, transport and equipment operators and related occupations. In 1996, the Yukon, and similarly the Northwest Territories had proportionally more people in the labour force with trade-related skills than any other province in the country. A total of 18.3 per cent of the Yukon's labour force fall into trade related occupations, over 4 percentage points more than the Canadian average. This is most likely the result of a greater need for infrastructure in the north. Regardless, this is likely to translate into a higher proportion of employable people for the pipeline than there otherwise would be[14].

Looking at the trades, transport and equipment operators and related occupations more closely, we divide this sector into nine basic occupations as shown in **Table 2.1,** comparing the Yukon with national levels in terms of labour force. Both axes have been scaled such that relative proportions can be compared.

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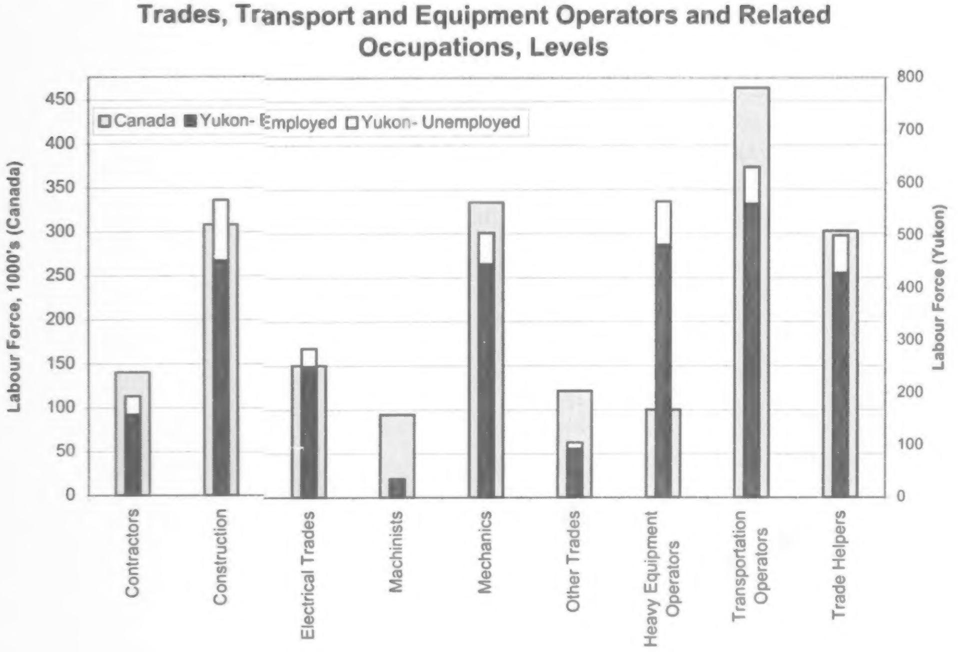
[14] Of full occupational detail in trades, transport and equipment operators for selected provinces see: Appendix A Section 7.1.

TABLE 2.1



Within trades and related occupations, you are over three times more likely to find a heavy equipment operator in the Yukon than in Canada. Operating engineers (Heavy Equipment Operators and Mechanics) in the labour force totaled roughly 1,050 people in the Yukon. If we assume that the occupational makeup of the Yukon is reasonably similar to what it was in 1996, and that every unemployed person in trade, transport and equipment operators and related occupations does become employed by virtue of the pipeline, an additional roughly 485 people could be directly employed. This is quite significant given that in the entire territory just 2085 in total were unemployed. Therefore, almost 25 per cent of the unemployed should almost be guaranteed employment during the construction phase.

Trades occupations have seen a relative decline across Canada in recent times. This has been no exception in the Yukon as it becomes harder and harder to find additional trainees for occupations that would be heavily associated with pipeline construction. Basic welding is a four-year course although key positions will go to welders with 10 or more years experience. Currently programs such as the apprenticeship training provided by the Local 310 of the United Association of Plumbers and Pipefitters in Fort McMurray have helped to provide some opportunities for Yukon residents to get into pipeline-related trades.

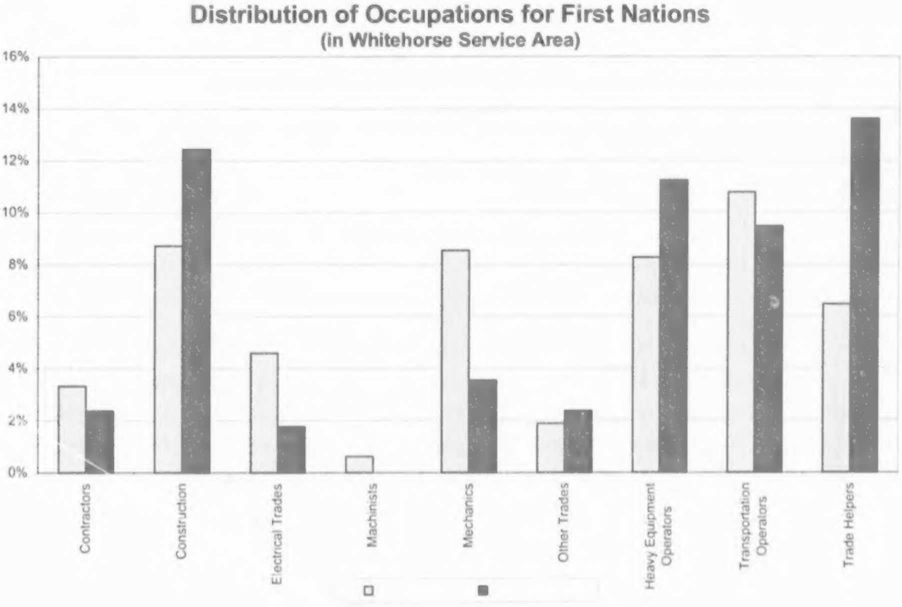
2.3 First Nations Labour Supply

Yukon First Nations are in a particularly good position to supply labour during pipeline construction as well as opportunities upon completion [15]. First Nations have considerable experience with clearing contracts and are expected to be heavily involved in this aspect of early pipeline construction. Sub-contracting opportunities will arise for many First Nations businesses from construction companies to those supplying professional services.

Trades, transport & equipment operators and related occupations employ proportionally more First Nations individuals than in the Yukon as a whole as seen in **Table 2.2**. Specifically construction, heavy equipment operators, and trade helpers seem to be in abundance within First Nations communities all of whom should be expecting to be employed while the pipeline is being built.

One issue that is bound to arise is how much labour, if any, will Canada be able to supply to pipeline construction in Alaska. For First Nations groups, this is of particular interest since under the terms of Jay's Treaty of 1794, which was not accepted by Canada, Yukon First Nations groups could potentially work across the border even though US Native Americans could not. Since it is most likely that Americans will be seeking to supply as much labour to Canada as is supplied in Alaska, this could become a contentious issue.

TABLE 2.2



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[15] A more detailed look at First Nations Labour Supply is available in: First Nation Linkages, Informetrica Limited, Working Paper 7.6.1, March 2002.

2.4 Dynamic Supply Issues

One issue that is expected to shape the extent that labour can be supplied to the construction of the pipeline is dynamic. Of the trade-based occupations in Yukon, how many workers will remain in the labour force over the course of the construction phase? From a purely demographic perspective, the Yukon has proportionally fewer retirees as well as potential retirees than in Canada as a whole as depicted in **Table 2.3**. Almost half of the entire population is between the prime working ages of 25-49, significantly higher than both Canada and the Northwest Territories. From a broad perspective, there does not seem to be a dynamic issue that would affect the Yukon's potential labour supply. In fact, Yukon's high proportion of prime workers ages 25-49 should increase the territory's potential for filling pipeline employment. It should be noted that since 1996 there has been a rise in the retirement aged population. This may make dynamic supply issues more important than the 1996 Census would have us believe.

TABLE 2.3: Distribution of Population by Age

Population, 1996	Canada	Yukon	NWT
Youth 0-14	20.5%	24.0%	32.6%
Entrants 15-24	13.4%	13.3%	16.1%
Prime Workers 25-49	39.7%	46.4%	40.1%
Retire Before Completion 50-64	14.2%	11.9%	8.2%
Already Retired 65+	12.2%	4.4%	3.0%
TOTAL	*100.0%*	*100.0%*	*100.0%*

In a recent study by the Canadian Labour and Business Centre (CLBC)[16], demographic profiles detailing potential skill shortages were put together by sector. The results showed both construction and transportation and warehousing to have above average proportions of workers both 45 and 55 years and older. The more striking detail was the very high 40 per cent proportion of transportation workers aged 45 and over, 6 per cent above the average across sectors. **Table 2.4** displays these results. These dynamic issues of workers retiring from the labour force may place some additional strain on those occupations relating directly to the pipeline. However, in some of the heavily induced areas such as administration, trade, and accommodations and food, dynamic issues are less likely to come into play.

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[16] The papers entitled Demographic Profile of the Natural Resources Sector and Demographic Profile of the Transportation Sector are currently available on the CLBC website: www.clbc.ca

TABLE 2.4: Distribution of Near Retirement Ages by Sector

Industry Sector	45 and Older		55 and Older	
	(%)	(000's)	(%)	(000's)
Agriculture	48	156.1	27	86.6
Educational Services	44	444.7	13	125.8
Public Administration	43	321.8	9	71.0
Utilities	40	49.9	6	7.5
Transportation and Warehousing	40	309.1	13	97.4
Health Care and Social Assistance	39	602.2	11	163.0
Finance, Insurance, Real Estate and Leasing	38	328.1	12	107.8
Other Services	36	241.2	14	94.3
Forestry, Fishing Mining,Oil and Gas	35	106.7	9	28.1
Construction	35	309.3	12	104.4
Manufacturing	35	790.1	10	229.6
Professional,Scientific and Technical Services	33	320.3	12	112.1
Management, Administrative and Other Support	31	174.4	13	75.3
Trade	27	654.3	10	231.2
Information, Culture and Recreation	27	190.7	8	59.4
Accommodation and Food Services	22	208.2	7	66.5
All Industries	**34**	**5207.2**	**11**	**1659.9**

3 Shortages

3.1 Local Shortages

The largest shortages will occur in the construction industry during the peak years of construction. It is unlikely that the Yukon would be able to supply close to 20 per cent of construction workers during this needed period. The more specialized areas of construction are more likely to end up being filled by out of territory workers. Other areas that are likely to experience shortages include: clerical and administration, natural sciences and engineering, and sales and services. Shortages in sales and services is more likely to be a problem for the scenario where the government recycles its increased revenue and induces strong employment demand in these occupations.

The skill sets required for some of the higher-end jobs are in fact quite demanding. The main welders would be required to have roughly 10 years experience in the field as well as their certification. The local economy is not expected to provide anyone of this classification. Given the necessary time and resources in order to properly train someone, it would be impossible for local residents to be trained from scratch.

3.2 National Mobility

Current expectations are that the majority of labour is going to come from Alberta and British Columbia. However, with continued heavy investment in Alberta's oilsands project, it is not clear whether it will be possible to draw sufficient labour from the province. This would put additional strain on British Columbia, as it would become the dominant supplier of labour.

Generally, highly specialized pipeline workers make a career out of traveling from one pipeline to the next. As a result, mobility for some of the higher end jobs is less likely to be an issue. It can be expected that many highly skilled people will be willing to move across the nation in order to fill the very specific positions.

3.3 InternationalMo bility

Machinery for automatic welding does exist for a 42" pipeline whereas a 48" and 52" would require imports from Russia, Europe, or both. Similarly, the specific welding skills required for these larger sizes could only be found in these places. It is not clear just how easy it would be to attract very specialized and experienced workers from overseas. Regardless, it is more likely that the majority of foreign labour will come from south of the border as long as American workers have the skill sets required.

4 Training Supply

4.1 Capacity

Potential suppliers of training programs in the Yukon are mainly Yukon College, First Nations groups, HRDC and possibly the Yukon Government itself. Of these, Yukon College is likely to be the largest provider and is covered in some detail below.

Over the last few years, the population of Yukon has been diminishing in size. Since 1997, the population has dropped from about 32,200 to 30,000 people in the year 2001. This has left ample structural capacity within the province. Along with training people specifically for the pipeline, some consideration should be made for the possibility of worker retention and whether this would in fact be desirable. Regardless, an influx of people residing in the Yukon who are being trained for pipeline construction should not put a large strain on the local economy.

4.2 Yukon College

Yukon College current enrolls roughly 900 full time equivalents each year. If the pipeline were to go ahead, the college plans to extend this number to nearly double in order to provide "just in time" training for the pipeline jobs. Since they do not have sufficient funds to double the actual size of the college, the intent would be to set up people in large camps as needed. This training would be almost entirely for lower-end jobs such as labourers. One challenge the college will face will be attracting instructors with the necessary skill sets for this training. These people will likely have to come from outside of province and will probably have a strong interest and incentive to work on the pipeline itself. The college anticipates pipeline workers receiving a salary that is sufficiently beyond what they could possibly offer.

4.3 First Nations Training

Training plans for First Nations are quite different from those provided by the college[17]. Because First Nations people have strong ties within the local community and are less apt to travel, training them on specific pipeline skills is not seen as useful since they would not be able to sustain long-term local employment upon the completion of the pipeline. Therefore, focus has been on long-term training as well as more general skill sets that can be applied after the pipeline has been completed. Longer-term opportunities will arise during the operations phase resulting from induced effects.

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[17] A more detailed look at First Nations training is available in: First Nation Linkages, Informetrica Limited, Working Paper 7.6.1, March 2002.

5 Conclusions

5.1 General

There should to be some consideration put towards the possible retention of workers in the Yukon once the AHPP is completed. There is ample structural capacity within the Territory and induced effects within the Yukon should provide growth in a wide range of occupations.

During the construction phase, the Yukon will be hard pressed to supply over 20 per cent of the labour need for direct construction on the pipeline. This will depend partially on how strongly First Nation groups will be involved in pipeline construction and how many workers can be quickly trained to fill such roles as helpers and assistants to the more experienced journeyman construction workers. Training for jobs created by workers leaving to work on the pipeline will also contribute to how successful the Yukon will be in optimizing the benefits of the AHPP for all residents.

Induced effects, though not large over this period, will appeal to a broader range of skills than those with simply trade related backgrounds. As a result, these have a greater potential to be supplied locally. Training focuses should include these induced jobs as well as those "just in time" employment positions related to the pipeline. Training for direct pipeline employment would be very specialized whereas basic general skills may be enough to provide people with employment in induced positions. This could be one potential way to get those with very little work experience into steady placement in the workforce. Both types of training will be needed if the Yukon expects to supply their full potential of labour. Consideration should be made as to just how much the Yukon Government wishes to get involved in training.

During the operations phase, we expect the Yukon to be able to supply all of the jobs directly relating to the pipeline. This is somewhere in the order of 150 employees from 2013-25. However, induced effects will create additional employment opportunities. It is likely that these additional jobs will create some shortages, especially in the case where governments choose to cycle their revenue back into the economy. As a result, we do expect the Yukon to be able to supply the majority of the induced jobs in scenario 1 but not as many of the additional jobs induced in scenario 2. A modest increase in the population could potentially fill this gap.

APPENDIX A

6.1 OCCUPATIONAL CLASSIFICATION

For Pipeline Construction Occupations:

Labourers:
1. Chainman/Rodman/Stakeman
2. First Aid Attendant
3. Flagman
4. General Labourer
5. Jackhammerman
6. Measureman
7. Nozzleman
8. Pneumatic Tool Operator
9. Skid Setter
10. Specialized Labourer
11. Swamper

Teamsters:
1. A-Frame and Hoist-Equipped Truck Driver
2. Bus (Manhaul) Driver
3. Concrete Transit-Mix Truck Driver
4. Crew Cab (General) Driver
5. Dump Truck Driver
6. Flat Deck Truck Driver
7. Forklift Driver
8. Fuel/Water Truck Driver
9. Lowbed Driver
10. Pickup Truck Driver
11. Pipe and Pole Trailer (Strinnging Truck) Driver
12. Semi-Trailer (Highbed, Highboy) Driver
13. Tandem Truck Driver
14. Warehouseman

Plumbers and Pipefitters:
1. Graded Helper
2. Mandrel Operator
3. Spacer
4. Stabber
5. Straw Boss
6. Welder- Hot Pass
7. Welder- Journeyman
8. Welder- Stringer Bead
9. Welder- Tie-in

10. Welder- Repair
11. Welder Helper

Operating Engineers:

1. Air Compressor Operator
2. Backfiller Operator
3. Backhoe Operator
4. Tack Rig/Tractor Operator
5. Bending Machine Operator
6. Boring Machine Operator
7. Bulldozer Operator
8. Clam/Dragline/Mormon Board Operator
9. Crane Operator
10. Ditching (Trenching) Machine Operator
11. Equipment Repair Welder's Helper (Utility Welder)
12. Equipment Repair Welder
13. Forklift Operator
14. Gradall Operator
15. Grader Operator
16. Creaser
17. Loader Operator
18. Lubrication and Service Unit Operator
19. Mechanic
20. Mechanic Helper
21. Oiler
22. Power Boat Operator
23. Sideboom Tractor Operator
24. Skidder Operator
25. Tow Tractor Operator

Supervisory and Field Administration:

1. Accountant
2. Assistant Superintendent
3. Clerk
4. Field Engineer
5. Land Adjuster (Landman, Claimsman)
6. Master Mechanic
7. Office Manager
8. Pipeline Construction Backfill Foreman
9. Pipeline Construction Bending Foreman
10. Pipeline Construction Clean-up Foreman
11. Pipeline Construction Clearing Foreman
12. Pipeline Construction Coating Foreman
13. Pipeline Construction Ditch Foreman
14. Pipeline Construction Pipe Foreman
15. Pipeline Construction Grade Foreman
16. Pipeline Construction Stringing Foreman

17. Pipeline Construction Tie-in Foreman
18. Pipeline Construction Welder Foreman
19. Project Manager
20. Project Superintendent
21. Purchasing Agent
22. Safety Supervisor
23. Security Personnel
24. Security
25. Warehouse Manager

For Compressor and Meter Station Construction Occupations:

Labourers:
1. Chainman/Rodman/Stakeman
2. First Aid Attendant
3. General Labourer

Teamsters:
1. Concrete Transit-Mix Truck Driver
2. Flat Deck Truck Driver
3. Warehouseman

Plumbers and Pipefitters:
1. Pipefitter
2. Welder- Journeyman

Operating Engineers:
1. Backhoe Operator
2. Crane Operator
3. Loader Operator
4. Oiler

Other Trades:
1. Boilermaker
2. Carpenter
3. Cement Mason
4. Electrician
5. Insulator
6. Iron Worker
7. Millwright
8. Painter
9. Sheet Metal Workers

Supervisory and Field Administration:
1. Civil Superintendent
2. Clerk
3. Field Engineer

4. Instrument Man
5. Mechanical Superintendent
6. Office Manager
7. Paymaster
8. Project Manager
9. Project Superintendent
10. Trades Foreman
11. Security Personnel

6.2 TIM EMPLOYMENT IMPACTS

Average National Employment Impact (Persons)

	2002-04	2005-07	2008-12	2013-25
Scenario 1	4499	20980	-728	2687
Scenario 2	6175	34633	14395	14052

6.3 PIPELINE CONSTRUCTION ESTIMATES BY PROVINCE

EMPLOYMENT SCHEDULE - Pipeline

EMPLOYMENT PER SEASON

	2005		2006		2007		Total	% of Total Employment
	Winter	Summer	Winter	Summer	Winter	Summer		
Canada								
Labourers	109	533	433	1,021	391	919	**3,407**	**19.3%**
Operators	109	533	895	1,621	761	1,428	**5,346**	**30.3%**
Teamsters	55	178	333	614	309	524	**2,013**	**11.4%**
Welders	-	89	316	492	296	398	**1,591**	**9.0%**
Supervision	55	133	199	334	181	293	**1,195**	**6.8%**
Technicians	-	-	12	18	12	14	**56**	**0.3%**
Inspection	44	71	222	359	214	291	**1,200**	**6.8%**
3rd Party	33	53	92	149	90	127	**543**	**3.1%**
Camp	55	89	213	344	206	284	**1,191**	**6.8%**
Survey	109	178	141	229	139	217	**1,013**	**5.7%**
NDE	-	-	18	29	17	22	**87**	**0.5%**
	567	**1,858**	**2,872**	**5,211**	**2,616**	**4,516**	**17,641**	**100.0%**

	2005		2006		2007		Total	% of Total Employment
	Winter	Summer	Winter	Summer	Winter	Summer		
Yukon								
Labourers	57	267	283	628	155	431	**1,821**	**19.0%**
Operators	57	267	603	1,067	300	649	**2,943**	**30.7%**
Teamsters	29	89	214	404	118	227	**1,080**	**11.3%**
Welders	-	44	208	344	111	176	**882**	**9.2%**
Supervision	29	67	130	206	75	124	**630**	**6.6%**
Technicians	-	-	8	14	4	6	**31**	**0.3%**
Inspection	23	36	147	253	79	132	**670**	**7.0%**
3rd Party	17	27	58	99	36	59	**296**	**3.1%**
Camp	29	44	139	238	79	130	**659**	**6.9%**
Survey	57	89	79	128	67	106	**526**	**5.5%**
NDE	-	-	13	22	6	10	**50**	**0.5%**
	297	**929**	**1,881**	**3,402**	**1,030**	**2,050**	**9,588**	**100.0%**

	2005		2006		2007		Total	% of Total Employment
	Winter	Summer	Winter	Summer	Winter	Summer		
British Columbia								
Labourers	55	267	164	393	243	487	**1,608**	**19.6%**
Operators	55	267	319	554	475	779	**2,447**	**29.9%**
Teamsters	27	89	128	211	196	297	**949**	**11.6%**
Welders	-	44	118	148	190	222	**723**	**8.8%**
Supervision	27	67	75	129	109	169	**575**	**7.0%**
Technicians	-	-	4	5	8	8	**25**	**0.3%**
Inspection	22	36	81	105	139	159	**541**	**6.6%**
3rd Party	16	27	36	50	55	68	**252**	**3.1%**
Camp	27	44	80	107	131	154	**543**	**6.6%**
Survey	55	89	65	101	75	111	**496**	**6.0%**
NDE	-	-	6	7	12	13	**38**	**0.5%**
	284	**929**	**1,077**	**1,809**	**1,633**	**2,466**	**8,198**	**100.0%**

	2005		2006		2007		Total	% of Total Employment
	Winter	Summer	Winter	Summer	Winter	Summer		
Alberta								
Labourers	-	-	-	133	41	173	348	**23.8%**
Operators	-	-	-	133	57	217	407	**27.9%**
Teamsters	-	-	-	44	26	80	151	**10.3%**
Welders	-	-	-	22	28	55	105	**7.2%**
Supervision	-	-	-	33	24	49	106	**7.3%**
Technicians	-	-	-	-	1	2	2	**0.2%**
Inspection	-	-	-	18	21	41	80	**5.5%**
3rd Party	-	-	-	13	12	21	46	**3.2%**
Camp	-	-	-	22	23	43	88	**6.0%**
Survey	-	-	-	44	29	49	122	**8.4%**
NDE	-	-	-	-	1	2	3	**0.2%**
	-	**-**	**-**	**464**	**263**	**732**	**1,459**	**100.0%**

6.4 FULL OCCUPATIONAL DETAIL FOR CANADA

	Scenario 1			Scenario 2			Scenario 1			Scenario 2		
	2002-07	2008-12	2013-25	2002-07	2008-12	2013-25	2002-07	2008-12	2013-25	2002-07	2008-12	2013-25
	Average Impact			Average Impact			Average Percentage Impact			Average Percentage Impact		
TOTAL	**12700**	**-700**	**2700**	**20400**	**14400**	**14100**	**0.08**	**0.00**	**0.02**	**0.13**	**0.09**	**0.08**
MANAGERIAL, ADMINISTRATIVE & RELATED	1500	-200	100	2400	1400	900	0.07	-0.01	0.01	0.12	0.07	0.04
NATURAL SCIENCES, ENGINEERING & MATHEMATICS	500	-200	-100	700	-100	-800	0.08	-0.03	-0.01	0.10	-0.01	-0.10
OCCUPATIONS IN SOCIAL SCIENCES & RELATED	100	-100	0	200	100	0	0.04	-0.02	-0.01	0.06	0.02	0.01
RELIGION	0	0	0	0	0	0	0.02	0.01	0.02	0.03	0.06	0.09
TEACHING & RELATED	0	-100	-100	100	100	100	-0.01	-0.02	-0.01	0.01	0.01	0.02
MEDICINE & HEALTH	100	100	200	300	600	1100	0.01	0.01	0.02	0.04	0.06	0.11
ARTISTIC, LITERARY, RECREATIONAL & RELATED	100	0	0	300	300	300	0.04	0.00	0.01	0.09	0.09	0.07
CLERICAL & RELATED	1800	100	600	3100	2400	2500	0.06	0.00	0.02	0.11	0.08	0.08
SALES	1000	500	1000	1900	2700	4000	0.07	0.03	0.06	0.13	0.18	0.25
SERVICE	1600	-500	100	3600	4000	4900	0.08	-0.02	0.00	0.18	0.18	0.22
FARMING, HORTICULTURAL & ANIMAL HUSBANDRY	200	-300	-200	500	100	0	0.06	-0.08	-0.05	0.12	0.03	-0.01
FISHING, TRAPPING & RELATED	0	0	0	100	0	0	0.11	0.02	-0.04	0.16	0.07	-0.12
FORESTRY & LOGGING	0	0	0	0	0	0	0.02	-0.04	0.00	0.04	-0.04	-0.05
MINING & QUARRYING INCLUDING OIL & GAS FIELD	100	0	100	100	0	100	0.11	0.07	0.17	0.11	0.06	0.08
PROCESSING	400	-100	100	500	200	200	0.08	-0.02	0.03	0.13	0.04	0.04
MACHINING & RELATED	400	-200	0	500	-300	-900	0.13	-0.06	-0.01	0.15	-0.10	-0.22
PRODUCT FABRICATING, ASSEMBLING & REPAIRING	800	-100	300	1200	500	200	0.07	-0.01	0.03	0.12	0.04	0.02
CONSTRUCTION TRADES	2900	400	100	3200	1000	300	0.35	0.04	0.01	0.38	0.11	0.03
TRANSPORT EQUIPMENT OPERATING	500	200	300	900	900	1100	0.09	0.02	0.04	0.15	0.15	0.16
MATERIAL HANDLING & RELATED, N.E.C.	200	0	100	300	200	100	0.09	0.00	0.03	0.13	0.06	0.05
OTHER CRAFTS & EQUIPMENT OPERATING	100	100	100	200	200	200	0.06	0.03	0.06	0.09	0.09	0.08
OCCUPATIONS NEC	300	0	0	400	100	0	0.09	-0.01	0.01	0.13	0.03	-0.01

6.5 FULL EMPLOYMENT DETAIL FOR THE YUKON

Pipeline Construction

	2005		2006		2007		Total	% of Total
	Winter	Summer	Winter	Summer	Winter	Summer		Employment
Yukon								
Labourers	57	267	283	628	155	431	1,821	**19.0%**
Operators	57	267	603	1,067	300	649	2,943	**30.7%**
Teamsters	29	89	214	404	118	227	1,080	**11.3%**
Welders	-	44	208	344	111	176	882	**9.2%**
Supervision	29	67	130	206	75	124	630	**6.6%**
Technicians	-	-	8	14	4	6	31	**0.3%**
Inspection	23	36	147	253	79	132	670	**7.0%**
3rd Party	17	27	58	99	36	59	296	**3.1%**
Camp	29	44	139	238	79	130	659	**6.9%**
Survey	57	89	79	128	67	106	526	**5.5%**
NDE	-	-	13	22	6	10	50	**0.5%**
	297	929	1,881	3,402	1,030	2,050	9,588	**100.0%**

Compressor Station Construction

	2005		2006		2007		Total	% of Total
	Winter	Summer	Winter	Summer	Winter	Summer		Employment
Yukon								
Carpenters	-	-	16	15	14	13	57	**7.5%**
Electricians	-	-	31	29	24	22	105	**13.9%**
Insulators	-	-	9	9	8	8	34	**4.5%**
Ironwork Reinforced	-	-	6	6	5	5	23	**3.0%**
Ironwork Structural	-	-	13	12	11	10	46	**6.0%**
Labourers	-	-	24	22	21	19	86	**11.3%**
Millwights	-	-	6	6	5	5	23	**3.0%**
Operators	-	-	9	9	8	8	34	**4.5%**
Painters	-	-	6	6	5	5	23	**3.0%**
Pipefitters	-	-	50	47	40	38	174	**22.9%**
Teamsters	-	-	3	3	3	3	11	**1.5%**
Supervision	-	-	11	11	8	8	38	**5.0%**
Inspection	-	-	8	8	7	6	30	**3.9%**
3rd Party	-	-	13	12	11	10	46	**6.0%**
Camp	-	-	5	4	4	4	17	**2.3%**
Survey	-	-	2	1	1	1	6	**0.8%**
NDE	-	-	2	1	1	1	6	**0.8%**
	-	-	**213**	**201**	**178**	**168**	**760**	**100.0%**

Meter Station Construction

	2005		2006		2007		Total	% of Total
	Winter	Summer	Winter	Summer	Winter	Summer		Employment
Yukon								
Carpenters	-	-	1	1	-	-	1	**5.9%**
Electricians	-	-	2	1	-	-	3	**15.7%**
Insulators	-	-	1	1	-	-	1	**7.8%**
Ironworkers Reinforced	-	-	0	0	-	-	1	**3.9%**
Ironworkers Structural	-	-	0	0	-	-	1	**3.9%**
Labourers	-	-	2	1	-	-	3	**15.7%**
Millwights	-	-	-	-	-	-	-	**0.0%**
Operators	-	-	0	0	-	-	0	**2.0%**
Painters	-	-	0	0	-	-	1	**3.9%**
Pipefitters	-	-	2	1	-	-	3	**15.7%**
Teamsters	-	-	0	0	-	-	0	**2.0%**
Supervision	-	-	1	1	-	-	1	**7.8%**
Inspection	-	-	1	1	-	-	1	**5.9%**
3rd Party	-	-	1	1	-	-	1	**5.9%**
Camp	-	-	-	-	-	-	-	**0.0%**
Survey	-	-	0	0	-	-	0	**2.0%**
NDE	-	-	0	0	-	-	0	**2.0%**
	-	-	**10**	**9**	-	-	**18**	**100.0%**

6.6 EMPLOYMENT ESTIMATES DURING THE OPERATIONS PHASE

Number of Employees

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Alaska	0	0	0	0	50	84	134	155	175	196	217	234	234
Canada	0	0	0	0	50	96	171	203	235	267	300	327	327
Yukon	0	0	0	0	25	49	82	95	108	121	135	146	146
BC	0	0	0	0	25	45	80	99	118	137	156	172	172
Alberta	0	0	0	0	0	2	9	9	9	9	9	9	9

Compressor Station Employees (Stations come on line as of November 1 in a given year)

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Alaska	0	0	0	0	0	8	51	72	92	113	134	151	151
Canada	0	0	0	0	0	11	72	104	136	168	201	228	228
Yukon	0	0	0	0	0	5	31	44	57	70	84	95	95
BC	0	0	0	0	0	6	41	60	79	98	117	133	133
Alberta	0	0	0	0	0	0	0	0	0	0	0	0	0

Line Workers

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Alaska	0	0	0	0	0	24	24	24	24	24	24	24	24
Canada	0	0	0	0	0	31	31	31	31	31	31	31	31
Yukon	0	0	0	0	0	17	17	17	17	17	17	17	17
BC	0	0	0	0	0	14	14	14	14	14	14	14	14
Alberta	0	0	0	0	0	0	0	0	0	0	0	0	0

Meter Station Employees (Stations come on line as of November 1 in a given year)

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Alaska	0	0	0	0	0	2	9	9	9	9	9	9	9
Canada	0	0	0	0	0	4	18	18	18	18	18	18	18
Yukon	0	0	0	0	0	2	9	9	9	9	9	9	9
BC	0	0	0	0	0	0	0	0	0	0	0	0	0
Alberta	0	0	0	0	0	2	9	9	9	9	9	9	9

Head Office Employees

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Alaska	0	0	0	0	50	50	50	50	50	50	50	50	50
Canada	0	0	0	0	50	50	50	50	50	50	50	50	50
Yukon	0	0	0	0	25	25	25	25	25	25	25	25	25
BC	0	0	0	0	25	25	25	25	25	25	25	25	25
Alberta	0	0	0	0	0	0	0	0	0	0	0	0	0

Number of Employees

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Alaska	234	234	234	234	234	234	234	234	234	234	234
Canada	327	327	327	327	327	327	327	327	327	327	327
Yukon	146	146	146	146	146	146	146	146	146	146	146
BC	172	172	172	172	172	172	172	172	172	172	172
Alberta	9	9	9	9	9	9	9	9	9	9	9

Compressor Station Employees (Stations come on line as of November 1 in a given year)

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Alaska	151	151	151	151	151	151	151	151	151	151	151
Canada	228	228	228	228	228	228	228	228	228	228	228
Yukon	95	95	95	95	95	95	95	95	95	95	95
BC	133	133	133	133	133	133	133	133	133	133	133
Alberta	0	0	0	0	0	0	0	0	0	0	0

Line Workers

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Alaska	24	24	24	24	24	24	24	24	24	24	24
Canada	31	31	31	31	31	31	31	31	31	31	31
Yukon	17	17	17	17	17	17	17	17	17	17	17
BC	14	14	14	14	14	14	14	14	14	14	14
Alberta	0	0	0	0	0	0	0	0	0	0	0

Meter Station Employees (Stations come on line as of November 1 in a given year)

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Alaska	9	9	9	9	9	9	9	9	9	9	9
Canada	18	18	18	18	18	18	18	18	18	18	18
Yukon	9	9	9	9	9	9	9	9	9	9	9
BC	0	0	0	0	0	0	0	0	0	0	0
Alberta	9	9	9	9	9	9	9	9	9	9	9

Head Office Employees

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Alaska	50	50	50	50	50	50	50	50	50	50	50
Canada	50	50	50	50	50	50	50	50	50	50	50
Yukon	25	25	25	25	25	25	25	25	25	25	25
BC	25	25	25	25	25	25	25	25	25	25	25
Alberta	0	0	0	0	0	0	0	0	0	0	0

6.7 FULL OCCUPATIONAL DETAIL FOR THE YUKON

	Scenario 1			Scenario 2			Scenario 1			Scenario 2		
YUKON	2002-07	2008-12	2013-25	2002-07	2008-12	2013-25	2002-07	2008-12	2013-25	2002-07	2008-12	2013-25
	Average Impact			Average Impact			Average Percentage Impact			Average Percentage Impact		
TOTAL	**2609**	**762**	**1007**	**3271**	**1698**	**1527**	**20.3**	**5.9**	**7.8**	**25.5**	**13.0**	**11.9**
MANAGERIAL, ADMINISTRATIVE & RELATED	286	89	135	366	174	106	15.9	4.9	7.5	20.4	9.6	5.9
NATURAL SCIENCES. ENGINEERING & MATHEMATICS	114	48	83	132	27	-51	18.0	7.4	12.7	20.8	4.1	-7.8
OCCUPATIONS IN SOCIAL SCIENCES & RELATED	34	6	14	40	-2	-27	8.8	1.6	3.5	10.4	-0.5	-6.6
RELIGION	0	0	0	0	0	0	2.4	1.0	1.9	3.8	2.8	2.5
TEACHING & RELATED	3	3	4	4	4	2	0.4	0.4	0.6	0.6	0.6	0.3
MEDICINE & HEALTH	5	5	7	9	13	16	1.4	1.3	2.1	2.8	3.7	4.8
ARTISTIC, LITERARY, RECREATIONAL & RELATED	21	6	18	36	21	5	13.8	3.9	11.3	23.8	13.5	3.5
CLERICAL & RELATED	320	123	181	432	262	203	13.9	5.3	7.9	18.8	11.4	8.9
SALES	95	77	117	199	273	357	11.0	9.2	14.9	23.1	32.7	45.5
SERVICE	198	86	173	370	362	407	9.4	4.2	8.7	17.6	17.8	20.5
FARMING, HORTICULTURAL & ANIMAL HUSBANDRY	67	9	5	70	15	10	46.7	6.2	3.5	49.1	9.7	7.0
FISHING, TRAPPING & RELATED	0	0	0	0	0	0	0.4	0.1	0.0	0.5	0.4	0.1
FORESTRY & LOGGING	2	0	0	3	1	0	11.3	1.6	1.0	12.0	2.4	1.4
MINING & QUARRYING INCLUDING OIL & GAS FIELD	9	5	6	9	5	5	4.4	2.7	4.0	4.6	2.7	3.5
PROCESSING	16	9	13	26	27	34	12.8	7.3	11.1	20.5	21.3	28.7
MACHINING & RELATED	52	10	8	55	13	10	40.5	7.1	5.8	42.9	9.5	7.1
PRODUCT FABRICATING, ASSEMBLING & REPAIRING	118	48	58	157	119	135	23.9	9.5	11.7	31.8	23.7	27.4
CONSTRUCTION TRADES	1091	150	77	1128	206	129	77.5	9.7	4.8	80.1	13.2	8.1
TRANSPORT EQUIPMENT OPERATING	76	39	44	104	94	101	11.6	5.9	6.6	15.8	14.1	15.0
MATERIAL HANDLING & RELATED, N.E.C.	23	9	12	31	22	22	18.5	7.3	9.7	24.7	17.2	17.7
OTHER CRAFTS & EQUIPMENT OPERATING	25	23	33	38	38	40	23.7	20.7	30.1	35.3	34.3	36.9
OCCUPATIONS NEC	55	17	19	63	27	21	25.7	7.4	8.6	29.3	12.0	9.6

APPENDIX B

7.1 LABOUR FORCE OCCUPATIONS

Occupation, as defined by 1996 Census	CN	SK	AL	BC	YK	NWT
A Management occupations	9.0	6.9	8.4	9.6	10.6	10.4
B Business, finance and administrative occupations	19.0	15.8	18.7	18.5	17.5	17.0
C Natural and applied sciences and related occupations	5.0	3.1	5.5	4.8	5.8	5.2
D Health occupations	5.0	5.4	4.5	4.7	3.1	3.6
E Occupations in social science, education, government service and religion	6.8	6.5	6.1	6.6	10.4	11.3
F Occupations in art, culture, recreation and sport	2.7	2.0	2.3	2.9	2.8	4.0
G Sales and service occupations	26.0	25.6	26.8	27.8	25.5	24.7
H Trades, transport and equipment operators and related occupations	14.1	14.0	15.0	15.1	18.3	17.5
I Occupations unique to primary industry	4.8	16.8	7.9	4.7	4.0	4.5
J Occupations unique to processing, manufacturing and utilities	7.6	3.8	4.9	5.4	2.0	1.8
All occupations	100	100	100	100	100	100

*Not applicable occupations have been omitted from the table

Provincial Data by Trade Occupation	CN	SK	AL	BC	YK	NWT
H0 Contractors and supervisors in trades and transportation	7.0	6.7	8.0	7.6	5.6	5.9
H1 Construction trades	15.3	13.9	16.0	20.0	16.7	20.4
H2 Stationary engineers, power station operators and electrical trades and telecommunications occupations	7.4	6.8	7.0	6.7	8.4	8.2
H3 Machinists, metal forming, shaping and erecting occupations	4.7	2.7	3.7	3.4	1.0	0.6
H4 Mechanics	16.6	17.5	15.9	15.0	14.9	12.4
H5 Other trades n.e.c.	6.0	5.4	5.3	5.5	3.1	2.7
H6 Heavy equipment and crane operators including drillers	5.0	7.0	6.7	5.1	16.7	10.3
H7 Transportation equipment operators and related workers, excluding labourers	23.1	25.0	23.4	21.3	18.6	21.0
H8 Trades helpers, construction, and transportation labourers and related occupations	15.0	15.1	14.2	15.4	14.7	18.5
H Trades, transport and equipment operators and related occupations	100	100	100	100	100	100

*Not applicable occupations have been omitted from the table

Alaska Highway Pipeline Project and First Nations: Linkages

Working Paper No. 7.6

March 2002

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Informetrica
Limited

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Alaska Highway Pipeline Project and First Nations: Linkages

1 Background

The Alaska Highway Pipeline route crosses the traditional territory of eight of the fourteen Yukon First Nations:

1. White River First Nation (Beaver Creek)
2. Kluane First Nation (Burwash Landing) – Southern Tutchone Tribal Council
3. Champagne-Aishihik First Nation (Haines Junction) – Southern Tutchone Tribal Council
4. Ta'an Kwach'an First Nation (Whitehorse) – Southern Tutchone Tribal Council
5. Kwanlin Dün First Nation (Whitehorse)
6. Carcross-Tagish First Nation (Carcross)
7. Teslin Tlingit Council (Teslin)
8. Liard First Nation (Upper Liard and Watson Lake) – Kaska Tribal Council

Out of the approximately 832 km of pipeline route through the Yukon, roughly 202 km is likely to end up on First Nations settlement land given the current land selections and assuming that the Foothills route is chosen.[1] This amounts to approximately 24% of the Yukon portion of the pipeline.

There are six channels of economic impact linkages for First Nations:

- Employment of First Nations citizens on pipeline construction and operation
- First Nation-owned businesses as subcontractors on pipeline construction
- Employment of First Nations citizens in other Yukon businesses
- Taxation
- Availability of natural gas
- Additional services and infrastructure that may be provided

2 Population and Employment

2.1 Population

The 1996 Census counted 6,175 aboriginal people in the Yukon out of a total population of 30,766, or about 20% of the population. Aboriginal people tend to be younger than the general population, but also have a higher proportion of seniors, so the working age population is relatively smaller. However, a relatively high proportion of citizens are in the 15-34 age group, the prime ages for initiating training and apprenticeship in skilled trades and other professions.

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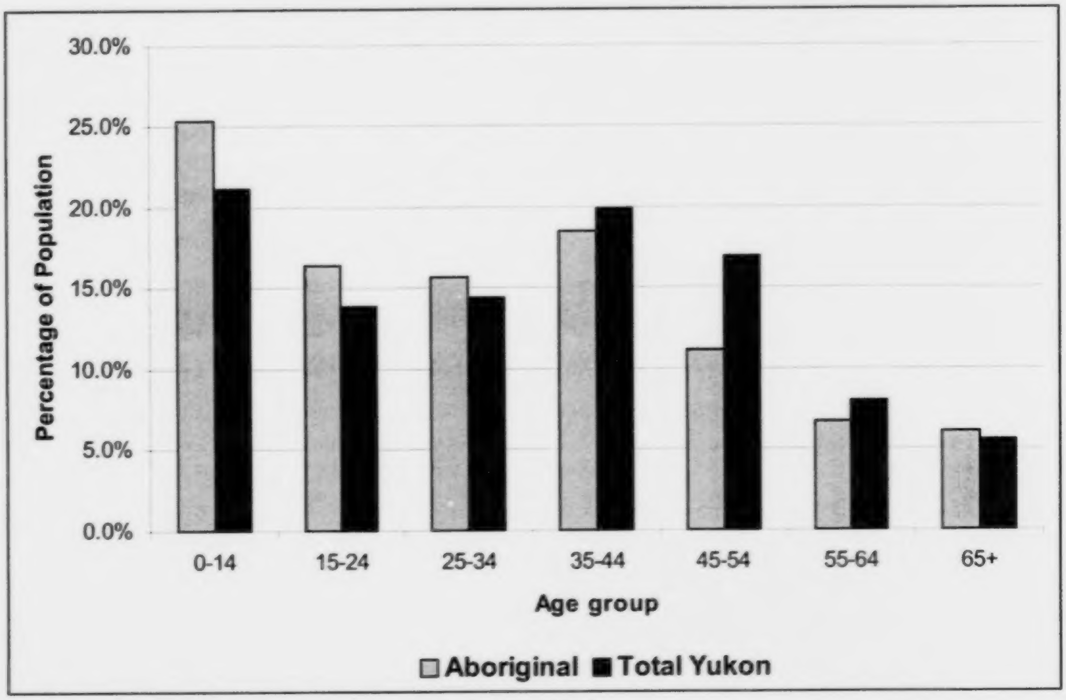
[1] Estimate by the Yukon government's Oil and Gas Branch.



Source, YBS, Health Care Population, December 1999.

2.2 Labour Force Characteristics

Aboriginal people in the Yukon have lower incomes, lower labour force participation rates and suffer from higher unemployment rates than other Yukoners. In 1996, the average income of the Yukon's aboriginal population was $19,312 compared to $31,188 for non-aboriginal Yukoners.[2]

Aboriginal workers tend to be under-represented in the higher-paying occupations, especially in management and health care as the following table shows. On the other hand, Aboriginal peoples are over-represented in administrative occupations (mainly clerical workers) and in the manual trades. A closer look at the trades group of occupations shows that individuals are over-represented in the carpentry, heavy equipment operator and labourer occupational groups. Equipment operators and labourers are two of the four major occupations employed in pipeline construction. The other two are truck drivers and pipe fitters. Aboriginal Peoples have about the same proportion of truck drivers as the Yukon population as a whole, but there are very few First Nations individuals employed in the pipe trades in the Yukon.
Low employment and participation rates amongst Aboriginal Peoples (especially for males) will leave many opportunities in the event of a labour shortage as anticipated in the Alaska Highway

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[2] Statistics Canada, 1996 Census Dimension series #94F0011XCB

Pipeline Project (AHPP) scenario. This will hold true even if the pipeline does not proceed as depicted in the national outlook.

Occupation Group	Yukon Total Population	Yukon Aboriginal Population
Management occupations	11.3%	8.8%
Business, finance and administrative occupations	18.2%	20.0%
Natural and applied sciences and related occupations	5.8%	4.5%
Health occupations	3.2%	1.7%
Social science, education, government service and religion	11.0%	10.8%
Occupations in art, culture, recreation and sport	2.8%	2.2%
Sales and service occupations	24.9%	23.7%
Trades, transport & equipment operators and related occupations	17.2%	20.9%
Occupations unique to primary industry	3.6%	5.6%
Occupations unique to processing, manufacturing and utilities	1.9%	1.9%

Source: Statistics Canada, 1996 Census.

2.3 Education and Skills

A comparison of Yukon Aboriginal education levels with the overall Yukon and Canadian levels in the 1996 Census is shown in the table below. The base population is all those 15 years or older.

Highest level of schooling	Yukon Aboriginal	Yukon	Canada
Less than Grade 9	13.9%	5.7%	12.1%
Grade 9 to 13			
without graduation certificate	27.8%	21.9%	22.7%
with graduation certificate	5.2%	8.4%	14.3%
Trades certificate or diploma	5.5%	4.0%	3.7%
Other non-university education			
without certificate or diploma	13.1%	8.7%	6.5%
with certificate or diploma	23.9%	24.8%	17.7%
University with no degree	7.5%	12.0%	9.7%
University with bachelor's degree or higher	2.9%	14.5%	13.3%

Source: Statistics Canada, 1996 Census

While the overall Yukon population is more highly educated than the Canadian average, the opposite is true of aboriginal people in the Yukon. Almost 42% of these people have not completed high school (compared with 34.8% of Canadians in general), and a very small percentage have university degrees. However, Yukon First Nations have relatively more skilled trades people (5.5% vs. 3.7%) and a larger proportion (37.0% vs. 24.2%) of citizens with other non-university education.

2.4 Mobility of First Nations Workers

Yukon First Nations citizens may benefit from the access to the US labour market enjoyed by Canadian First Nations under the terms of Jay's Treaty of 1794. Because Canada did not accept the terms of the treaty, US Native Americans do not enjoy reciprocal rights to work in Canada. During construction, Yukon First Nations workers potentially have the option to work both on the Alaskan and Canadian portions of the line.

3 Experience in Other Jurisdictions

The recent (1999/2000) construction of the Alliance Pipeline from north-eastern BC through Alberta and Saskatchewan and on to Chicago provides an example of how First Nations have become increasingly successful at securing a significant economic benefit from large-scale projects. At the peak of construction in 1999, the pipeline's Canadian portion was employing just under 300 First Nations people directly — about 10% of the total employment. In addition, First Nation firms and joint venture firms were awarded $23m worth of contracts in related work, resulting in another 107,000 person hours of employment for First Nations people. The contracts ranged from clearing and grubbing the right-of-way to hauling pipe from the steel mills to the stockpiles.

Yukon First Nations and First Nations people have also recently been gaining more direct experience with the oil and gas industry (though not specifically with the pipeline construction portion) through their involvement with exploration activities in the central Yukon and in the Mackenzie Delta in the NWT.

4 Business Opportunities

The construction of a pipeline will bring sub-contracting opportunities for First Nations businesses — both those owned by the First Nations governments and those owned by their citizens. The potential opportunities will be highly varied, ranging from clearing contracts to the supply of professional services.

First Nations have considerable experience in clearing contracts and providing labour to clearing contractors and surveyors. In addition, some First Nations have had mixed experience in the past with operating construction companies. Settlement of land claims and the development of subdivisions have provided some First Nations Government and individuals with experience in street construction. Many First Nations offer employment agency type services to contractors, and a number have developed an inventory of skills of their labour force.

5 Taxation Issues

The Umbrella Final Agreement (UFA) as well as individual First Nation Land Claims Agreements and Self-Government Agreements deal with a number of tax issues. Under UFA provisions, Indian Act Section 87 tax exemptions (which exempt Status Indians on Reserve) disappeared in the Yukon on December 31, 1998. There are very few reserves in the Yukon, and only one, Carcross, has a settlement on it. Nevertheless, before that date, "Land Set Aside" was treated as Reserve Land for income tax purposes. As of January 1, 1999, all Yukon First Nations are subject to Federal and territorial income tax, GST, as well as property taxes on settlement land inside community boundaries.

While First Nations individuals now have to pay federal and territorial income taxes, First Nations with a self-government agreement have a tax sharing agreement with the federal and territorial governments. The First Nations receive 75% of the federal and 95% [I will confirm on Tuesday LZ] of the territorial income tax collected from individuals living on settlement land. First Nations now have to pay property taxes to the municipality (or to the Yukon government in unincorporated communities) on settlement land within community boundaries. However, this is still under negotiation with the Yukon Government and it is yet to be decided as to whether First Nations will get some pay back on their property taxes. Outside community boundaries, First Nations do not pay taxes on unimproved settlement land (without physical structures on the land) and have the power to levy property taxes on their settlement lands.

If the agreement to cap total Yukon property taxes at $44 million in current dollars holds, then the First Nations along the route may be in a position to receive approximately $10.5 million annually in property taxes. Most First Nations are subject to that cap as part of their self-government agreements, but Champagne-Aishihik First Nation (CAFN) is apparently not. Property taxes on CAFN land might have to be negotiated separately.

5.1 Royalties and Land Claims

The Yukon Oil and Gas Act (YOGA) replaced federal legislation governing oil and gas in the Yukon on transfer of responsibility for oil and gas in early 1998. YOGA was drafted in accordance with a memorandum of agreement signed by the Yukon and First Nations governments that laid out the basis for a common regime for all 15 jurisdictions (Yukon plus 14 First Nations) in the territory. First Nations have the subsurface rights to all minerals and oil and gas on Category A settlement lands.

Although YOGA is designed to provide a common regime for oil and gas, any of the Yukon's 14 First Nations can decide to create its own regulatory regime, including a royalty regime on its "Category A" settlement land. "Category A" land is so designated when Yukon First Nations own both surface and sub-surface rights.

5.1.1 *Sharing of Crown Royalties*

Irrespective of what individual First Nations choose to set as a royalty for oil and gas production on Category A settlement lands, the Yukon government is committed to sharing crown royalties with all of the Yukon's First Nations as laid out in Chapter 23 of the Umbrella Final Agreement. Under Chapter 23, the Yukon is required to pay to the 14 First Nations 50% of the first two million dollars in royalties collected where the crown royalties exceed any royalties collected by First Nations on Category A lands. If the difference exceeds $2m, the Yukon will pay First Nations 10% of the additional amount.

6 Recommendations to Maximize Benefits

Overall, First Nations should develop plans and strategies to deal with the pipeline construction and operation. This could be done individually, as the Kwanlin Dün First Nation is currently doing, or co-operatively as provided for by the protocol signed at the recent First Nation Oil & Gas Summit by a number of Yukon, Alaska, BC, and NWT First Nations.

6.1 First Nations Employment

The construction of the pipeline will bring a wide variety of employment opportunities for Yukon First Nations citizens. First Nations citizens are relatively well placed to take advantage of the opportunities given the high proportion of skilled trades people and those with non-university education in the Aboriginal population.

To maximize the employment benefits for Yukon First Nations, the following are recommended:

1. It will be important for First Nations and their citizens to take the broad perspective and not overlook the opportunities for jobs throughout the economy during pipeline construction and operation — not just those directly linked to construction or direct support.
2. First Nations should continue their current education, training, and skills improvement programs with an emphasis on generic skills that can be applied to a variety of occupations (e.g., computer skills, numeracy, equipment operation, safety, life skills, interpersonal skills).
3. First Nations should initiate or continue discussions with unions and other training/apprenticeship providers to ensure that their citizens have access to skilled jobs. In particular, First Nations are grossly under-represented in the pipefitting trades. Initiatives such as the one between Local 310 of the United Association of Plumbers and Pipe-fitters, where individuals identified by their First Nations were given the opportunity to engage in an apprenticeship and obtain work as apprentices in Fort McMurray should be encouraged. It should be noted that many of the pipeline occupations require long periods of training and/or apprenticeship.

6.2 Business Opportunities

As has now become standard in major projects, First Nations will need to negotiate impact benefit agreements with pipeline proponents and their major contractors. Impact-benefit agreements typically specify hiring and training opportunities for First Nations citizens as well as preferential treatment for First Nation-owned businesses. Often, First Nations will also include non-native local community members in impact-benefit agreements.

Those First Nations who do not have one should develop a skills inventory of their membership, to provide the information needed to maximize the benefits to their citizens.

6.3 Taxation Issues

Pipeline construction and operation will increase tax revenues for First Nations governments with a land claims agreement. On the income tax side, First Nations are constrained by the tax-sharing agreement, but they might have some flexibility on property taxes on the pipeline where it runs through settlement land. It might be advantageous to have a common Yukon property tax regime for the pipeline. Negotiations to this end might be required between the Yukon Government and the affected First Nations.

Cost-Benefit Analysis of the Alaska Highway Pipeline Project

Working Paper No. 8.1

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Informetrica
Limited

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Cost-Benefit Analysis of the Alaska Highway Pipeline Project

1 Cost-Benefit Framework

The purpose of the Cost-Benefit (CB) study is to determine whether the benefits resulting from the intended investment exceed the costs. In principle however, the analysis requires more than just calculations of business' profit and loss. In fact, the CB analysis has been most commonly used for the assessment of alternative **public** investments, thus it serves as a method of evaluating them in order to achieve efficient allocation of resources from society's point of view.

A common convention of CB analysis is to account for the fact that costs and benefits are realized over an extended period of time. The standard procedure is to discount these flows with the use of a discount rate reflecting other opportunities, and then to compare their present values. If the present value of benefits exceeds the present value of costs it is assumed that the investment meets the efficiency criteria. The streams of costs and benefits associated with any given project may differ substantially depending on whose viewpoint is adopted. The private sponsor will only be concerned with direct costs and direct benefits to the sponsor flowing from the project, whereas public investments are subject to evaluation in terms of national interest. When the government is charged with determining the efficiency of the project, externalities, i.e., the costs and benefits borne by those not associated with the activity in question, would be included in the CB analysis. Such externalities include environmental impacts, socio-economic changes, etc.

The decision rule applied to CB analysis is fairly straightforward. For a public investment to be acceptable, the **social** net present value (NPV) must be positive. For a private investment subject to government approval, it is also necessary that private NPV is positive, i.e. the project must be financially feasible. In the instance where there is a need to choose among alternative projects, the one with the largest net benefits is preferred.

Naturally, the decision whether any given project meets the efficiency criteria should not be based solely on the CB analysis. It is, however, a useful device in terms of integrating various (often difficult to quantify) effects induced by the project, the examination of which may be in the broader public interest.

1.1 Project Definition

The project in question for this report's CB analysis is the Alaska Highway Pipeline Project (AHPP) and of particular interest is the Yukon portion of the pipeline. The proposal would provide a transportation service for delivery of natural gas from Prudhoe Bay in Alaska, through Yukon, British Columbia and Alberta to the lower 48 states. The project includes construction of four segments of the pipeline and expansion of the pre-build section of the line, with the Yukon part being the longest (approximately 517 miles) out of those built on Canadian soil.

For the purpose of CB analysis it is necessary that the appropriate time period, over which the project is assumed to operate, be estimated. It has been approximated that the Alaskan proven gas reserves contain 35 trillion cubic feet (tcf) of natural gas with total reserves predicted at 126 tcf. This amount is assumed to be exhausted in 26-44 years (depending on the actual capacity of gas fields) after the initial flow from that field begins at the end of the construction period. For the purpose of calculating the net benefits we will assume the initial flow commences on November 2007 with 2.5 billion cubic feet (bcf) per day and increasing by 0.3 bcf per day every year to reach the maximum of 4 bcf per day in November of 2012. We will evaluate the benefits over the period of 25 years.

Another crucial feature of the CB analysis is the definition of boundaries within which benefit and costs are to be tabulated. In this case, the CB study is done for the Yukon territorial government, thus costs and benefits accruing to the Yukon's economy and its people are the relevant consideration. However, confining the boundaries to just the Yukon imposes limitations to understanding the bigger scope of the project. In fact, it is often suggested to avoid restricting CB studies to just local benefits and costs since it fails to adequately measure social net benefits of the project.

In the case of the AHPP project there are number of different boundaries that could be identified and used for tabulating costs and benefits. The widest boundaries drawn for the project would include every economic actor, starting with gas owners in Alaska, through the pipeline company, federal government and residents of Canada, provincial/territorial and First Nation governments of Yukon, British Columbia and Alberta, and finally the American consumers. Another, narrower, approach would include just the Canadian impact, ignoring the rents to the U.S. consumers and producers. Finally, the most limited in scope would be a regional outlook ignoring any costs and benefits accruing to areas outside of the Yukon jurisdiction, such as benefits to the United States or the neighbouring provinces.

For the purpose of this report, we concentrate on the Canadian dimension of the project with specific regional considerations, but also include the distribution of upstream and downstream net benefits in the U.S. Indeed, the project will only proceed if all of the affected parties agree.

1.2 Parties Affected by the Project

There are number of groups affected by the project that need to be identified before attempting cost-benefit analysis. All of them will be discussed in order to arrive at a better understanding of the economics and financial flows of the project.

1.2.1 *The Owners*

Over 86 per cent of natural gas resources in Prudhoe Bay are owned by three multinationals, i.e., Exxon/Mobil, Phillips Petroleum and British Petroleum (BP) Amoco. The state government of Alaska claims the ownership of the remainder in kind or in royalties on production from the state land. Currently, the gas production from the Prudhoe Bay area is used to fuel oil operations in that area, with most of the produced gas injected back into the reservoir. With the construction of AHPP the owners would be the most obvious beneficiaries of the project (assuming increasing demand for and a sufficiently high price of natural gas in the future).

1.2.2 *The Pipeline Company*

Foothills Pipe Lines Ltd. (jointly owned by TransCanada Pipelines and American Duke Power) has been approved for the construction of the Canadian portion of AHPP. After the initial costs incurred during the construction period, the main benefits to the company would come in the form of tariff revenues. As the gas leaves the wellheads it is passed to the Alaskan section of the line, which connects to the Yukon segment, etc. When the gas reaches the Canadian border a flat rate tariff per thousand cubic feet (mcf) is imposed by the pipeline owners for the service of transporting the natural gas. However, it is worth noting at this point that in Canada the tariff is regulated by the National Energy Board in such a way that although it allows for normal profits it guarantees a given rate of return. At this rate, the present value of net benefit to the pipeline company is close or equal to zero.

1.2.3 *Other Suppliers of Energy*

Once the AHPP is operational, the producers of gas, or other forms of energy, located in the lower 48 states and Canada will have to compete with the gas coming from the Alaskan source. It has been estimated that transport of 4 billion cubic feet per day through the AHPP would lower the cost of natural gas in the US market enough to displace gas imports from Canada for a number of years ("Alaska gas delivered at 4 bcfd, could displace approximately 14 years of the forecasted incremental yearly demand for gas import from Canada at project start-up in 2007."[1]).

It is also possible that the producers of lower 48 states who would otherwise increase extraction to meet the increasing energy demand would be displaced. In this situation other suppliers of energy would bear indirect costs of the AHPP project and would either have to lower their wellhead netback[2] requirements or shut down until their higher cost gas finds its demand in the increasingly tightening energy market.

However, the displacement of gas producers in lower 48 states or gas imports from Canada is viewed as unlikely considering that the Alaska gas would only satisfy about 25 per cent of the additional demand projected by 2010

1.2.4 *Consumers*

If the AHPP caused the displacement of other gas suppliers through the lower market price, the existing users of energy would collect the consumers' surplus represented by the producer's saving in the cost of service. If however the market price of gas remains unaffected by the existence of the pipeline, there will be no direct costs or benefits to the energy users.

It could be argued that the natural gas prices that the consumers will experience after the construction of the pipeline would be kept lower than they would have otherwise prevailed without additional supplies in a form of Alaska gas. In this case there would also be a consumer surplus, calculation of which would require the estimation of future supply curves for natural gas with and without AHPP.

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[1] *Alaska's Gas, Alaska's Future*. www.alaskabackbone.com/sectionla.html

[2] Wellhead Netback is a difference between the market price and the cost of service

1.2.5 *Government*

Different levels of Canadian government will accrue direct benefits from the Alaska gas project in a form of corporate taxes and land rental collected from Foothills Pipe Lines Ltd. Thus, Canadian revenue depends positively on the level of tariff imposed by the construction company on the unit of gas. The higher the tariff, the greater the Foothills' revenue and the taxes transferred to the government. As already mentioned, however, the value of the tariff is regulated by the National Energy Board. Additionally the government will accrue indirect benefits created through the second-round effects such as income taxes from increased employment, salaries, payroll taxes, lower social transfers due to increased employment, etc.

1.2.6 *Others*

Other people being affected by the project include First Nation governments who would receive property taxes since the pipeline construction would take place on their land. Also, the employees hired for construction, operation and maintenance of the pipeline are identified as another economic actor involved in the project and will be discussed in more detail later in the analysis. Furthermore, the residents of the jurisdictions through which the pipeline will traverse could obtain some benefits in a form of upgrades to the Alaska Highway, potential provision of gas to local communities, increased lodging capacity, etc.

1.3 Choice of Discount Rate

Cost-Benefit calculations are known to be very sensitive to the value of the discount rate chosen for a project. Even a one-percentage point change in a discount rate used can produce substantial differences in the NPV of costs and benefits of the project. Thus, not surprisingly, there exists a large body of literature on the choice of appropriate discount rate. The current convention is to differentiate between the discount rate for the private and social CB analysis. The former uses the after-tax rate of return available on the next-best investment, with both costs and benefits on an after-tax basis. In the case of social CB analysis the discount rate should represent the time value of the resources to the economy. It has been government practice to use a real discount rate of 10 per cent since it is believed that this approximates the social opportunity cost of investment in the private sector.[3] In fact, Foothills Pipe Lines Ltd. in its feasibility assessment of the Yukon portion of AHPP used a 'real' rate of 10 per cent for social CB analysis and 6 per cent for the private investors analysis.[4]

It is often recommended that a range of various discount rates be used rather than one unique measure of time preference. It is proposed that for the Alaska Gas project this range be 5 per cent to 20 per cent in nominal terms.

It is useful at this point to mention that in calculating the streams of costs and benefits there is a choice between a use of current dollars and a nominal discount rate or constant dollars and a real discount rate. We have chosen to perform all the calculations in current dollars reflecting expected price increases, and discount it with a nominal rate viewed as real interest rate plus the expected change in the general price level. The major reason for this approach is that it allows calculating the **distribution** of net benefits, which is heavily influenced by taxes, which are levied on current dollar flow.

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[3] The 1995 Treasury Board's "Benefit-Cost Analysis Guide for Regulatory Programs" calls for using real social discount rate of 10 per cent and for conducting sensitivity analysis using rates of 5 and 15 per cent.

[4] Foothills Pipe Lines (Yukon) Ltd., *Impact of Applicant's Proposal on the Canadian Economy*, Volume 6, Section C (November 1977).

1.4 Evaluation Criteria/Decision Rules

For a privately sponsored project to proceed it is necessary that the private stakeholder groups have a positive NPV. For a project under government regulation it is expected that the social benefits will exceed the social costs as well. Evaluation of net present value is just one of the criterion used for determining a project's acceptance. Alternative decision rules determining the relative social efficiency include a benefit-cost ratio criterion and a social rate of return criterion. For the project to proceed it is required that the benefit-cost ratio is larger than unity, or that the social rate of return is larger than the social rate of discount. These criteria are consistent with the NPV being positive.

1.5 Distributional Effects

The distribution of costs and benefits among different groups in a society is an important concept of the CB analysis. Since it is difficult to assess the value a person puts on one dollar, the analysts often adopt a view that a dollar of benefit or cost is equally valued by the public or the private sector, by a poor or a prosperous individual. This assumption seems valid in monetary terms, i.e. a dollar is a dollar, nevertheless it fails when examined in terms of relative value of an extra dollar's worth of consumption. This relative value of an extra dollar adversely depends on individual's income, that is it increases as income falls. However, the objective of CB analysis is to measure the efficiency of a project, rather than to deal with distributional desirability. Furthermore, theoretically the achievement of efficiency assumes that those who benefit should be able to compensate the losers through transfer payments and still be better off.

In theory, the distribution of net benefits is accomplished by sharing the direct and indirect costs and revenues among the private sector, the government and the public. In the case of the Yukon portion of AHPP, one could argue that most of the benefits would be occurring outside of the Yukon to persons connected to pipeline construction or functioning but costs would have to be borne by Yukon people in the form of inflationary pressures, disrupted socio-economic situation and jeopardized environmental stability. Direct beneficiaries of the project include the gas field owners (Exxon/Mobil, Phillips Petroleum, BP Amoco), the pipeline operating company (Foothills Pipe Lines Ltd.) and the consumers of gas (lower 48 states). From the Canadian perspective the corporate and property taxes collected by the government would count as the main benefits against the losses incurred by the Yukon population.

There are some possible future benefits to the Yukon from routing Alaskan gas through Canada. One of them is the Liard Plateau development option. Apart from that, there exist substantial proven, and even larger potential gas reserves in the Canadian Arctic. For the efficient and quick development and tapping into Northern Canadian natural gas reserves it would be in Canada's interest to have the Alaska Highway Pipeline Project already in place. It is hard to quantify these kinds of benefits in the CB analysis. However, it is important that the reader is aware of them, particularly when the distributional effects are discussed. For this reason cost-benefit studies tend to include a description of who incurs what kind of costs and benefits.

1.6 Uncertainty and Sensitivity Analysis

There is a certain level of uncertainty or risk associated with future streams of costs and benefits. Uncertainties arise particularly in the measurement of social costs and benefits, but also in the timing or forecasting of price levels and changes. One of the methods of dealing with financial and economic risks in the CB analysis is with the use of probability distributions for key parameters. The likelihood of particular outcomes can be calculated by examination of their probability distributions. However, there is a judgmental element to the probability assigning exercise and it is plausible that probability distributions cannot be specified. In this situation sensitivity analysis can be used to provide a range of possible net benefits.

Such analysis is a useful technique for testing the sensitivity of each variable in the CB model. By varying one variable, for example the discount rate, tariff or utility dimensions, one can arrive at different values of the net benefit often producing contradicting views about the social efficiency of a given project. Therefore, it could be argued that sensitivity analysis helps to determine the level of risk associated with a project as well as to establish whether more accurate or reliable data is required to minimize the uncertainty of the outcome. The limitation of the sensitivity analysis is that it can only treat one variable at a time while assuming that everything else remains constant. It is unable to take into account simultaneity of interactions among the variables that takes place in the real world.

2 Methodology

We have defined the framework (i.e., the project, the time period, economic actors, the jurisdictional area of concern, etc.) within which the Cost-Benefit analysis will be conducted. Before proceeding with detailed calculations, however, we will discuss the methodology used for the study.

2.1 Private Cost-Benefit Analysis

The purpose of this section is to discuss the costs and benefits of the AHPP project as they are viewed from a private sector perspective. In this commercial cost-benefit assessment, profitability of the project remains the only objective. Thus, only the direct costs and benefits are described here, whereas the externalities of the project with societal implications will be presented in the next section.

2.1.1 *Benefits*

2.1.1.1 Sales of Natural Gas

The most obvious direct benefit associated with the pipeline construction is the sale of natural gas. Once the pipeline becomes operational four groups of economic actors will collect the revenues generated by the project, each in a different form. The owners of gas fields in Alaska will collect revenues equal to the volume of transported gas multiplied by the netback gas prices (i.e., market price of gas less the cost of transportation). The benefits to the pipeline owners come in a form of revenue earned from the tariff levied on a unit of gas as it crosses the U.S.-Canada border. The governments of both U.S. and Canada will collect tax revenues. And finally, if the AHPP causes the displacement of other gas suppliers through a lower market price, the existing users of energy will collect the consumers' surplus, at the expense of other producers.

However, what share of the pie each affected party receives is a distributional issue and it will be discussed later in the report. At this point we are just interested in the total project profitability. Hence, in calculating the PV of the project's benefits we will use the **market price for gas**. Assuming a downstream price of gas of 3 US$/MMBtu and a costs of service from Alberta to the lower 48 of $1 US/MMBtu, the market price in Gordondale, Alberta (the point where the AHPP connects to the "pre-built" section of the pipeline) would be $2 US/MMBtu, which translates to about $3.12 Cdn/mcf (current 2001 dollars) using an exchange rate of $1.50 Cdn/$US and the MMBtu to mcf ratio of 1.04.

Furthermore, we are assuming gas volumes delivered to Alberta are used throughout, with fuel used being replaced so that in Gordondale the same volume of gas is delivered as was injected into the system in Prudhoe Bay. The stream of benefits is calculated in current dollars reflecting anticipated inflation (assumed to be 2 per cent annually) and no changes in the real price of gas.

2.1.2 *Costs*

2.1.2.1 Construction and Operating Costs

There are enormous fixed costs associated with the construction of gas extraction facilities and transmission systems. The construction cost being considered in this report would include only the actual pipeline construction costs and gas conditioning costs. The upstream capital costs associated with development of wells and gathering system are considered a "sunk cost", thus not included in the analysis. Furthermore, it is assumed that the existing downstream pipeline infrastructure would not require any additional investment in order to deliver natural gas to the market. The operating and maintenance costs would include the pipeline costs ($0.083 Cdn/mcf which translates to about 1 per cent per year of total construction costs) as well as the upstream production costs ($0.189 Cdn/mcf).

Certain costs, however, would not be included at this point. Interest costs, for example, are usually left out of the cost-benefit analyses since they do not reflect the value of resources used for the project but rather they are a result of financing the project. Also not included would be depreciation costs since the initial investment is already treated as a cost; inclusion of depreciation would be "double counting". Moreover, the tax payments are treated as a transfer payment from the private sector to the various levels of government. All of these costs will come into play when the distributional aspects of the project-generated revenues are further discussed in the next section.

2.2 Social Cost-Benefit Analysis

Conducting a cost-benefit analysis from a social point of view presents a challenge due to the fact that most of the examined costs and benefits are indirect in nature (externalities). Identifying and pricing them correctly tends to be a complicated task. In the reminder of this section we will attempt to depict those costs and benefits of the AHPP project that are relevant from the perspective of the Canadian population.

2.2.1 *Social Benefits*

Induced by the project, income flows remaining in Canada are considered to be a direct social benefit. These include government revenues in a form of corporate taxes and other payments from the construction company as well as possible royalty payments if options for Canadian gas exploitation develop as a product of AHPP construction. It could be argued, however, that in the absence of the AHPP, the resources used by the project would be invested elsewhere and generate similar revenues for the government. Additional employment created in Canada could be counted as a benefit but only if the wage rate paid is higher than the social opportunity cost of labour.[5]

2.2.2 *Social Costs*

Financial costs of Canadian materials and supplies are considered a social cost since it is assumed that they are withdrawn from somewhere else in the economy where they would find ready employment. To measure the value of foregone alternative opportunity, we could use a market price, which would represent a marginal social cost of resource employment. This would only be true, however in the world with no market distortions. It's worth noting that once the resources are freed up, the benefit for their value at that time should be added to the calculations. For example, the scrappage value of machinery at the end of the project would be a reduction in cost.

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[5] For a more elaborate discussion on the "value" of labour to the project see *Macroeconomic Effects* section.

The foregone earnings associated with the employment of resources by the project would determine their costs. Any payments in excess of these alternative costs are economic rents that are part of the net benefits.

In case of some projects the government is expected to provide new infrastructure - roads, ports, town sites, etc. It is unclear at this point if the AHPP project will trigger any significant increases in services by federal, provincial/territorial or local governments, which wouldn't take place otherwise.[6]

2.2.3 *Externalities and Indirect Costs and Benefits*

2.2.3.1 Adjustment to Market Costs

While conducting cost-benefit analysis from the social point of view it is crucial to determine whether the prices paid for the project inputs represent their market price. In perfectly operating markets we assume that is the case. However, in the real world there are a number of market distortions, which must be accounted for. These include, just to mention a few, taxes, moving costs which introduce wage differences across the country, involuntary unemployment implying that supply prices deviate from wages, etc.

The simplest way to explain the rationale for adjustment to market costs is with the use of an example. In the instance of imported inputs required for the project, the private contractor is subjected to duty and taxes on these goods, which have to be paid in Canada. In the absence of the project, these payments would not occur, thus they represent a transfer payment from the private to the public sector and have to be accounted as the benefit to the government. Similarly, if the wage rate paid to the workers on the project is above the market wage, the transfer payment is implied and the costs would require some downward adjustment. The recommended method of valuing the additional employment for the purposes of the cost-benefit study is discussed below.

We have assumed that project costs have been based on expected market rates and no adjustment has been necessary. Similarly, the indirect taxes associated with domestically produced goods are assumed to come forward as the goods are produced and sold even in the absence of the project.

2.2.3.2 Macroeconomic Effects

One almost certain effect of the project is the creation of additional employment, both during construction and operation of the pipeline. The dispute with respect to job creation, however, is over the proper classifications of this macroeconomic effect. Treasury Board guidelines[7] warn against haphazard claims of job-creation benefiting a project without careful scrutiny of all the effects of additional employment. If for example, the economy is at full employment then the project-induced jobs do not necessarily represent a net benefit. Unfortunately, it is not uncommon for the cost-benefit studies to cite job creation as a project benefit without accounting for the costs of these jobs being removed from somewhere else.

In the case of public projects, Treasury Board guidelines also suggest avoiding adding multiplier effects or secondary benefits to the cost-benefit analysis even when there is widespread unemployment since it is assumed that full employment can be achieved through alternative government programs. In case of private sector investment, however, this line of argument is much harder to accept. In the absence of the project, an equivalent amount of spending would not necessarily come forward. Hence employing resources that would otherwise be idle could be considered a benefit. With the Yukon unemployment rate at about 11.7 per cent [8] and considerable numbers of workers expected to be drawn from the territory for the pipeline construction, job creation is a crucial benefit to the Yukon.

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[6] For a more detailed discussion see *"Ancillary Spending"* Working Paper 3.2.1.

[7] Treasury Board of Canada Secretariat, *Benefit-Cost Analysis Guide* (July, 1998).

To determine the value of a job to the individual, we would have to consider the competing value of leisure. This would be equal to the difference between the after-tax average wage rate and the after tax-unemployment or social assistance benefits received. Of course, those involuntarily unemployed would value leisure less in which case we would only consider some fraction of the returns to leisure, thereby increasing the net benefits associated with job creation.

We will not, however, include such potential benefits in our calculations. Our reasoning is that we have no basis for determining the actual resource utilization. To carry on this kind of calculations a number of crucial assumptions would have to be imposed including a value of leisure to the Yukon residents, a number of workers being drawn from the pool of previously voluntarily and involuntarily unemployed Yukoners, number of skilled and unskilled workers expected to be employed in the project, etc.

We are proposing to exclude the macroeconomic effects from the cost-benefit analysis. Indeed, if the benefits exceed costs **without** any provision for macroeconomic benefits, then it could be argued that the project could proceed regardless of the economic circumstances.

2.2.3.3 Environmental Costs

The construction of the AHPP could have potential environmental effects just by the nature of the fact that the pipeline will be passing through some of the most remote and pristine Canadian wilderness areas. The AHPP will traverse in close proximity to Kluane National Park and some International Biological Program Sites containing wildlife and vegetation sensitive to human disturbance. Crossing the rivers also creates potential danger of interference with fish habitats. Furthermore, since the pipeline will have to pass through three zones of permafrost, continuous, discontinuous and sporadic, soil damage can be considered as potential risk.

Some of the environmental costs, or more precisely the costs of avoiding potential adverse effects, will be borne by the pipeline construction company. These will come in a form of higher construction costs due to specific pipeline routing choices and location of compressor stations. The pipeline company will also incur remedial costs. All of these costs will be reflected in a higher tariff than would otherwise be the case. Thus the ultimate burden falls on the producers, with a lower netback than would otherwise be the case.

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[8] Yukon Bureau of Statistics, seasonally adjusted average data for 2001.

3 Costs and Benefits of the AHPP

In this section we will try to quantify the **overall** streams of costs and benefits associated with the project. We will not be dealing with the distributional aspects of costs and benefits in this section. These are discussed, in part 4 of this report. The values presented are in current Canadian dollars.

3.1 Direct Benefits

The sum of the direct benefits generated by the project over the period from the first sale in 2007 to 2031 is **$154** billion Cdn. Table 1 shows the price of gas, volume transported and the benefits from sales over the 25-year period. When these benefits are discounted with the **nominal rate** of 5, 7, 10, 12, 15, and 20 per cent, their present value is significantly lower. Table 2 demonstrates the present value for various rates.

Table 1: Gross Direct Benefits of Alaska Highway Pipeline Project

Year	Gas Throughput (bcf/yr)	Price of Gas ($/mcf)	Gross Benefits (millions of $)
2000	0	$3.06	$0.00
2001	0	$3.12	$0.00
2002	0	$3.18	$0.00
2003	0	$3.25	$0.00
2004	0	$3.31	$0.00
2005	0	$3.38	$0.00
2006	0	$3.44	$0.00
2007	152.50	$3.51	$535.83
2008	930.75	$3.58	$3,335.71
2009	1,040.25	$3.66	$3,802.71
2010	1,149.75	$3.73	$4,287.06
2011	1,259.25	$3.80	$4,789.26
2012	1,368.75	$3.88	$5,309.83
2013	1,460.00	$3.96	$5,777.10
2014	1,460.00	$4.04	$5,892.64
2015	1,460.00	$4.12	$6,010.49
2016	1,460.00	$4.20	$6,130.70
2017	1,460.00	$4.28	$6,253.31
2018	1,460.00	$4.37	$6,378.38
2019	1,460.00	$4.46	$6,505.95
2020	1,460.00	$4.55	$6,636.07
2021	1,460.00	$4.64	$6,768.79
2022	1,460.00	$4.73	$6,904.16
2023	1,460.00	$4.82	$7,042.25
2024	1,460.00	$4.92	$7,183.09
2025	1,460.00	$5.02	$7,326.75
2026	1,460.00	$5.12	$7,473.29
2027	1,460.00	$5.22	$7,622.75
2028	1,460.00	$5.33	$7,775.21
2029	1,460.00	$5.43	$7,930.71
2030	1,460.00	$5.54	$8,089.33
2031	1,460.00	$5.65	$8,251.11
Total	**33,641.3**		**$154,012.48**

Table 2: Present Value of Direct Benefits, as of 2001

Discount Rate (%)	**Present Value** (millions of $)
5%	$61,834
7%	$44,718
10%	$28,595
12%	$21,729
15%	$14,847
20%	$8,436

3.2 Direct Costs

The project cost includes construction of the pipeline and upstream gas conditioning facilities and operating costs associated with pipeline operation and maintenance as well as upstream production costs. The construction and operation of the transmission system totals over $17.9 billion Cdn (current dollars), with operating costs accounting for about 23 percent of the total.[9] The upstream production costs sum up to $12 billion Cdn, with the great portion of it incurred during the operating phase. This is due to the fact that the majority of upstream capital costs are assumed to be "sunk costs" and are not included in the calculations. The profile of the costs and the present value of the cost streams are presented in Tables 3, 4 and 5.

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[9] The operating costs are calculated using $0.033 per mcf, which roughly translates to about one percentage point of capital costs.

Table 3: Gas Transmission System Costs

	Year	Construction (millions of $)	Operating (millions of $)	Total Costs (millions of $)
	2000	$0	$0	$0
	2001	$0	$0	$0
	2002	$258	$0	$258
	2003	$298	$0	$298
	2004	$1,134	$0	$1,134
	2005	$3,284	$0	$3,284
	2006	$4,062	$0	$4,062
	2007	$1,877	$14	$1,892
	2008	$819	$89	$908
	2009	$835	$102	$937
	2010	$680	$115	$795
	2011	$348	$128	$476
	2012	$178	$142	$319
	2013	$0	$154	$154
	2014	$0	$157	$157
	2015	$0	$161	$161
	2016	$0	$164	$164
	2017	$0	$167	$167
	2018	$0	$170	$170
	2019	$0	$174	$174
	2020	$0	$177	$177
	2021	$0	$181	$181
	2022	$0	$185	$185
	2023	$0	$188	$188
	2024	$0	$192	$192
	2025	$0	$196	$196
	2026	$0	$200	$200
	2027	$0	$204	$204
	2028	$0	$208	$208
	2029	$0	$212	$212
	2030	$0	$216	$216
	2031	$0	$221	$221
Total		**$13,773**	**$4,116**	**$17,889**

Table 4: Upstream Production Cost

Year	Construction (millions of $)	Operating (millions of $)	Total Cost (millions of $)
2000	$0	$0	$0
2001	$0	$0	$0
2002	$0	$0	$0
2003	$0	$0	$0
2004	$0	$0	$0
2005	$260	$0	$260
2006	$1,192	$0	$1,192
2007	$1,216	$33	$1,249
2008	$0	$202	$202
2009	$0	$231	$231
2010	$0	$260	$260
2011	$0	$290	$290
2012	$0	$322	$322
2013	$0	$350	$350
2014	$0	$357	$357
2015	$0	$365	$365
2016	$0	$372	$372
2017	$0	$379	$379
2018	$0	$387	$387
2019	$0	$395	$395
2020	$0	$403	$403
2021	$0	$411	$411
2022	$0	$419	$419
2023	$0	$427	$427
2024	$0	$436	$436
2025	$0	$444	$444
2026	$0	$453	$453
2027	$0	$462	$462
2028	$0	$472	$472
2029	$0	$481	$481
2030	$0	$491	$491
2031	$0	$500	$500
Total	**$2,668**	**$9,342**	**$12,010**

Table 5: Present Value of Direct Costs, as of 2001

Discount Rate	**Present Value**		
%	**Transmission** (millions of $)	**Production** (millions of $)	**Total** (millions of $)
5%	$12,336	$5,806	**$18,143**
7%	$10,902	$4,571	**$15,473**
10%	$9,216	$3,339	**$12,555**
12%	$8,315	$2,776	**$11,091**
15%	$7,199	$2,168	**$9,367**
20%	$5,783	$1,524	**$7,306**

3.3 Net Benefits

The project's net benefits after the 25-year-period of operation sum up to $124,113 Cdn, expressed in millions of current dollars. On the basis of the direct benefits and costs, the project results in positive net benefits for all chosen discount rates up to 20 per cent, with the benefit-cost ratios well above unity (Table 6). The internal rate of return at which the net benefits are equal to zero is 22.5 per cent.

Table 6: Present Value of Net Benefits, as of 2001

Discount Rate %	**Present Value** (millions of $)	**Benefit-Cost Ratio**
5%	$43,691	3.4
7%	$29,245	2.9
10%	$16,040	2.3
12%	$10,639	2.0
15%	$5,480	1.6
20%	$1,130	1.2

4 Distribution of Net Benefits

It is equally important that the distribution of benefits, and not only the total net benefits resulting from the AHPP, produces positive net benefits for all of the affected parties. For projects undertaken by government it is not uncommon to see some of the project stakeholders having negative NPV, but as long as the social benefits exceed social costs the project proceeds. However, for privately sponsored projects, like AHPP, as socially attractive as the project might sound it will not be undertaken unless it produces positive net benefits for all of the private-sector investors as well.

4.1 Production

Given a market price of gas of $3.12 Cdn/mcf (current 2001 dollars) in Gordondale, Alberta, and the transportation cost of gas from Prudhoe Bay down to the "pre-built" section of the pipeline of $2.05 Cdn/mcf, the producer netback in current Cdn dollars over the 25-year-period is $84,946 million Cdn. Royalty payments, severance tax and other state and federal taxes account for 48 per cent of that [10], leaving producers with $32,376 millions Cdn current dollars after deduction of production costs. Naturally, the present value of producer returns is much lower, but positive for all four discount rates chosen (Table 7). In fact, the after-tax internal rate of return for the producers is 31 per cent. (This seems so high because it ignores the investment costs incurred to date, most of which have been allocated to the oil production in the North Slope.)

4.2 Transmission

The pipeline owners levy a tariff on each unit of gas transmitted through the system. In Canada this tariff is regulated by the National Energy Board, to meet a given rate of return on the pipeline investment. For this analysis we have chosen a nominal rate of return of 15.5 per cent. If that rate is used the before-tax NPV of the transportation company's returns would be zero. The values of the tariff implied by this rate of return are as follows (in Cdn$/mcf): $1.00 in Alaska, $0.57 in Yukon, $0.45 in B.C. and $0.03 in Alberta. The tariff applied is constant over the operating period and expressed in nominal terms. Having the same tariff over the life of the pipeline is referred to as a "levelized" tariff.

The total cost of service (i.e., revenue) for the transmission company is $69,066 million Cdn current dollars, which must cover operating and investment costs, taxes paid and pipeline returns (interest payments and return on equity). The taxes paid to both Canadian and American governments and investment costs are the two largest items accounting for 32 and 20 per cent respectively. After the 25-year period of operation the pipeline owners would retain $29,208 million Cdn current dollars of net benefits, which get divided among the private sector players, i.e. stockholders, equity owners and lenders.

The present value of these benefits becomes negative for all discount rates above 11 per cent, which is due to the regulated basis for the transmission company (Table 7). In fact, the **after tax internal rate of return** for the private sector is 10.8 per cent.

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[10] For the tax rates used in calculations of net benefits distribution see section *4.3 Governments*.

We have ignored the issue of residual value at the end of the period. If there is no gas left, then there is little residual value. If, however, additional gas has been discovered in Alaska or elsewhere along the pipeline then there is a residual value to the pipeline to be considered[11].

4.3 Governments

The governments of both U.S. and Canada receive their share of the project's net benefits in the form of tax and royalty payments. To calculate the tax revenues the following tax rates have been used: Alaska imposes a severance tax of 10 per cent of the gross value of production or $0.064 per mcf, whichever is greater; the royalty share of gas production is assumed to remain at 12.5 per cent; Alaska state corporate income tax and property tax are 9.4 and 2 per cent, respectively; the U.S. federal corporate tax is 35 per cent; the Canadian federal corporate tax rate is 28 per cent; the provincial corporate tax rates are 15 per cent in Yukon, 16.5 in B.C. and 15.5 in Alberta; the property taxes in each of the provinces are 2 per cent.

Note that the government revenue does not include personal income taxes from people employed for the construction or operation of the pipeline.

4.3.1 *U.S. Governments*

The U.S. federal and Alaska state government will receive payments from both the producers and the transmission company. The royalty and severance payments total $17,011 million Cdn current dollars by the end of 2031 and will be paid out to the Alaska state government. The biggest single item in the governments' revenue constitutes the federal corporate taxes amounting to over $17 billion Cdn current dollars. The state corporate taxes and property taxes add an additional $6 billion Cdn current dollars to the Alaska government's revenue. Overall, various levels of U.S. government will receive $40,560 million Cdn current dollars from the producers of Alaska gas. In addition, the U.S. government will receive tax payments form the owners of the Alaskan portion of the pipeline. These corporate and property taxes will sum up to $9,431 million Cdn current dollars, increasing the total of net benefits received by the U.S. governments to $49,999 million Cdn current dollars.

With no costs associated with the construction of the pipeline being borne by the governments, the present value of its benefits remains positive for all of the chosen discount rates (Table 7).

4.3.2 *Canadian Governments*

Canadian governments will receive the smallest share of the pie. Corporate taxes collected from the owners of the Canadian portion of the pipeline will be distributed between the federal and provincial levels of governments. Additionally, provincial and territorial governments will receive some revenue in the form of property taxes. Overall, the federal government will accumulate just over $6 billion Cdn, and Yukon, B.C. and Alberta will receive $3,378, $2,806 and $172 million Cdn respectively[12]. Overall the project will generate $12,538 million Cdn current dollars for the various levels of Canadian government.

As in the case of U.S. government, the present value of net benefits for Canadian government remains positive (Table 7).

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[11] Even if we assumed that there was some residual value to the pipeline at the end of the period, it would produce only a marginal change to the value of the tariff. For example, a value equal to the fifty per cent of the initial investment in the structure if added in 2031 lowers the tariff by 2 cents.

[12] At this point the land claims in the Yukon have not been settled. The property taxes collected in the Yukon total 1.9 billion Cdn current dollars, some of which would be distributed to the First Nations depending on the outcome of the settlement.

Table 7: Distribution of Net Benefits, Present Values as of 2001

	Present Value in millions of Cdn $						
	0%	**5%**	**7%**	**10%**	**12%**	**15%**	**20%**
Production	$32,376	$11,660	$7,971	$4,607	$3,230	$1,909	$775
Transmission	$29,208	$7,796	$3,982	$582	-$744	-$1,916	-$2,702
U.S.	$15,416	$4,334	$2,342	$552	-$153	-$786	-$1,227
Canada	$13,792	$3,462	$1,641	$30	-$591	-$1,131	-$1,476
Governments	$62,528	$24,235	$17,292	$10,851	$8,153	$5,488	$3,058
U.S. Governments	*$49,990*	*$19,135*	*$13,581*	*$8,455*	*$6,320*	*$4,223*	*$2,327*
Alaska	$26,530	$10,429	$7,486	$4,741	$3,584	$2,433	$1,374
Federal	$23,460	$8,706	$6,095	$3,714	$2,736	$1,789	$953
Canadian Governments	*$12,538*	*$5,101*	*$3,711*	*$2,396*	*$1,833*	*$1,265*	*$731*
Provincial	$6,357	$2,607	$1,908	$1,245	$961	$672	$398
Yukon	$3,378	$1,387	$1,016	$663	$512	$358	$212
B.C.	$2,806	$1,149	$840	$548	$422	$295	$175
Alberta	$172	$71	$52	$34	$26	$18	$11
Federal	$6,181	$2,493	$1,803	$1,151	$872	$593	$333
TOTAL	**$124,113**	**$43,691**	**$29,245**	**$16,040**	**$10,639**	**$5,480**	**$1,130**
Total Canada	$26,330	$8,563	$5,352	$2,426	$1,242	$134	-$745
Total U.S.	$97,783	$35,128	$23,893	$13,614	$9,396	$5,346	$1,875

5 Other Issues

5.1 Variants and Sensitivities

In our report we have tested the sensitivity of the net benefits to the changes in discount rates. There are, however a number of other factors, the variation of which could greatly affect the value or distribution of project benefits. Changes in the construction costs or timing, in the utility dimensions or in the price of natural gas could all produce significant differences to the projected revenue estimates. Increases in natural gas prices or speeding up the delivery of Alaska gas to the marketplace would be a net benefit to the producers. On the contrary, an unpredicted increase to the pipeline construction costs would raise the rate of tariff charged for the gas transmission and lower the wellhead netback. This however, would not affect the pipeline owners whose net benefits are regulated to equal zero.

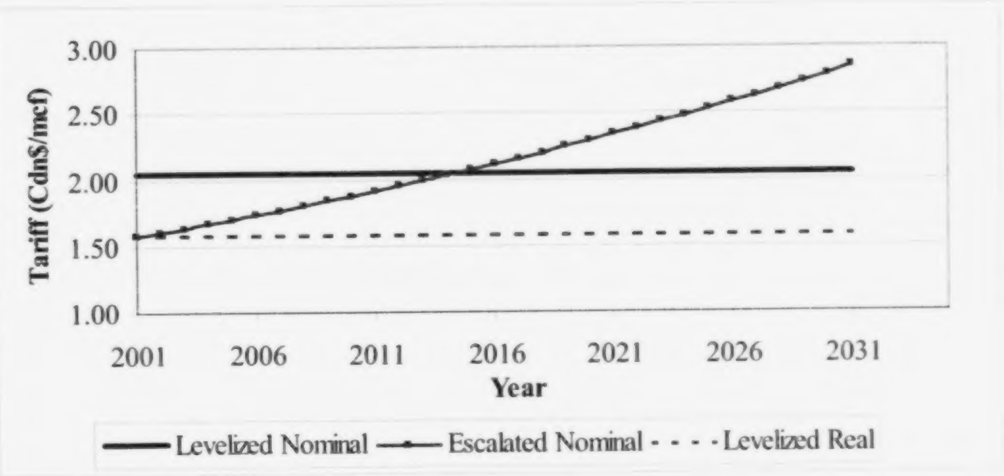
5.2 Understanding the Tariff

One of the issues important to understand in determining the value of the tariff is the terms it is expressed in, i.e., nominal vs. real. One option the transmission company has is to apply a constant dollar tariff (real tariff) over the period of operation calculated using constant dollar construction costs and a real discount rate. Using this method the value of the tariff between Alaska and Gordondale, Alberta would be $1.57 Cdn/mcf.

To escalate the levelized real tariff the company could use the rate of inflation as the escalating factor. This, in our case, would be equivalent to imposing a tariff of $1.57 Cdn/mcf in **real terms**.

To account for inflationary changes the company may choose to express the tariff in **nominal terms** estimated with current dollar construction and operating costs and a nominal discount rate. This was the method applied in our report in deriving the value of the levelized nominal tariff of $2.05 Cdn/mcf. Figure 1 presents the tariffs over time.

Figure 1: Nominal vs. Real Tariff



What is important to note is that whether we use a real or nominal tariff, the net present values of the revenues generated with a given tariff are equal. In both cases the NPV is equal $7,030 million Cdn.

6 Conclusions

The purpose of the cost-benefit study is to determine whether the intended investment results in the benefits exceeding the costs. We have demonstrated that the Alaska Highway Pipeline Project meets this efficiency criteria over a wide range of discount rates. The total net benefits for the project would range from $1 billion to $29 billion in present value as of 2001. Just over 10 per cent of those benefits will accrue directly to different levels of Canadian government and about 3 percent will remain in the Yukon[13].

From the social point of view, the project should be undertaken in the national interest if the net present value is positive, based on an appropriate nominal social discount rate. This assumes that either the project would not imply any additional social costs, i.e., withdrawing employment from other areas, incurring additional infrastructure costs that would have not otherwise occurred, etc. or that all of these costs would be accounted for in deriving the net benefits.

Within the AHPP Project, Canada only provides a transportation service under a regulated rate, designed to ensure that the economic net benefits are close to zero. Any net benefits will occur as a secondary effect.

Job creation in the Yukon can be argued as the main benefit for the Territory. Indeed, with a double-digit unemployment rate in the region, additional employment in the North becomes very valuable. The returns to governments would arise from reduced social transfer payments and higher tax revenues from the additional wage income. The total social return, therefore, would be represented by the gross wage (before-tax), or the sum of the private and government returns.

Another benefit to the Yukon may come in a form of an improved transportation system. Upgrades to some roads, ports and/or airports open up new options for future resource development in the region. Initial indications are that these changes are modest.[14] Finally, the provision of gas to the local communities in the Yukon can be considered as an important benefit to the region. Easily accessible natural gas is likely to displace more expensive sources of energy used in the Yukon such as diesel, propane, etc.

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[13] The agreement between Yukon and the federal government on the calculation of net fiscal transfers may affect the net amount accruing to the Yukon government. But this is treated separately, since it is a characteristic of the Federal-Territorial Agreement, not of the pipeline project.

[14] For a more detailed discussion see *"Ancillary Spending"* Working Paper 3.2.1.

EXOGENOUS INPUTS

Exchange rate	$	1.50
Market Price of gas in US$/mmbtu	$	2.00
Market Price of gas in Cnd$/mmbtu	$	3.00
BTU's to mcf ratio		1.04
Market Price (Cnd$/mcf)	**$**	**3.12**
Foothills tariff (Cnd$/mcf)	$	2.05
Tariff from Canada to Chicago (Cnd$/mcf)	$	-
Wellhead price	$	1.07
Total capital cost (2000 dollars)	$	16,173
Upstream gas Conditioning cost	$	2,400
Pipe	$	13,773
Operating cost		
Upstream operating cost ($/mcf)	$	0.1892
Pipeline operating cost ($/mcf)	$	0.0834
Ratio of gas produced to gas sold		1
Total gas bcf per day		4
Number of production years		25
Alaska Gov		
Royalty rate		12.5%
Corporate Tax		9.4%
Property tax		2%
Severance tax rate		10%
Min severance rate ($/mcf)	$	0.096
US Federal corporate tax		35%
Canadian Gov't		
Federal corporate income tax rate		28%
Property tax rate		2%
Provincial corporate income tax rate		
Yukon		15%
BC		16.5%
Alberta		15.5%
BC Capital Tax		0.3%
Adjusted Cost	$	16,173
Financing of pipeline		
Debt to Equity Ratio		2.3
Depreciation Rate		4.00%

Year	Bcf per day
2000	0
2001	0
2002	0
2003	0
2004	0
2005	0
2006	0
2007	2.5
2008	2.55
2009	2.85
2010	3.15
2011	3.45
2012	3.75
2013	4
2014	4
2015	4
2016	4
2017	4
2018	4
2019	4
2020	4
2021	4
2022	4
2023	4
2024	4
2025	4
2026	4
2027	4
2028	4
2029	4
2030	4
2031	4
	94.25

			$ 154,012	$ 4,116	$ 13,773	
			USD 102,675	USD 2,744	USD 9,182	
Gas Produced	**Gas Sold**	**Gas Price**	**Sales Revenues**	**Pipeline Operating Cost**	**Pipeline Construction Cost**	
(mm mcf/yr)	***(mm mcf/yr)***	***($/mcf)***	***($millions)***	***($millions)***	***($millions)***	
0	0	$ 3.06	$ -	-	$ -	$ -
0	0	$ 3.12	$ -	-	$ -	$ -
0	0	$ 3.18	$ -	-	$ 258.17	$ 258.17
0	0	$ 3.25	$ -	-	$ 297.60	$ 297.60
0	0	$ 3.31	$ -	-	$ 1,133.75	$ 1,133.75
0	0	$ 3.38	$ -	-	$ 3,283.53	$ 3,283.53
0	0	$ 3.44	$ -	-	$ 4,062.33	$ 4,062.33
152.5	152.5	$ 3.51	$ 536	14.3199	$ 1,877.26	$ 1,891.58
930.75	930.75	$ 3.58	$ 3,336	89.1465	$ 818.83	$ 907.97
1040.25	1040.25	$ 3.66	$ 3,803	101.6271	$ 835.20	$ 936.83
1149.75	1149.75	$ 3.73	$ 4,287	114.5711	$ 680.46	$ 795.03
1259.25	1259.25	$ 3.80	$ 4,789	127.9923	$ 348.49	$ 476.48
1368.75	1368.75	$ 3.88	$ 5,310	141.9045	$ 177.58	$ 319.49
1460	1460	$ 3.96	$ 5,777	154.3921	$ -	$ 154.39
1460	1460	$ 4.04	$ 5,893	157.4800	$ -	$ 157.48
1460	1460	$ 4.12	$ 6,010	160.6296	$ -	$ 160.63
1460	1460	$ 4.20	$ 6,131	163.8422	$ -	$ 163.84
1460	1460	$ 4.28	$ 6,253	167.1190	$ -	$ 167.12
1460	1460	$ 4.37	$ 6,378	170.4614	$ -	$ 170.46
1460	1460	$ 4.46	$ 6,506	173.8706	$ -	$ 173.87
1460	1460	$ 4.55	$ 6,636	177.3480	$ -	$ 177.35
1460	1460	$ 4.64	$ 6,769	180.8950	$ -	$ 180.89
1460	1460	$ 4.73	$ 6,904	184.5129	$ -	$ 184.51
1460	1460	$ 4.82	$ 7,042	188.2031	$ -	$ 188.20
1460	1460	$ 4.92	$ 7,183	191.9672	$ -	$ 191.97
1460	1460	$ 5.02	$ 7,327	195.8066	$ -	$ 195.81
1460	1460	$ 5.12	$ 7,473	199.7227	$ -	$ 199.72
1460	1460	$ 5.22	$ 7,623	203.7171	$ -	$ 203.72
1460	1460	$ 5.33	$ 7,775	207.7915	$ -	$ 207.79
1460	1460	$ 5.43	$ 7,931	211.9473	$ -	$ 211.95
1460	1460	$ 5.54	$ 8,089	216.1863	$ -	$ 216.19
1460	1460	$ 5.65	$ 8,251	220.5100	$ -	$ 220.51
33,641			**$ 154,012**	**$ 4,116**	**$ 13,773**	**$ 17,889**
			USD 102,675	**USD 2,744**	**USD 9,182**	

$ 9,342	**$ 2,668**		**$ 154,012**	**$ 124,113**		
USD 6,228	**USD 1,779**		**USD 102,675**	**USD 82,742**	IRR 22.52%	
Upstream Operating Cost	**Upstream Construction Cost**		**Gross Revenue**	**Net Benefits**		
($millions)	***($millions)***		***($millions)***	***($millions)***		
-	$ -	$ -	$ -	$0.00		-1
-	$ -	$ -	$ -	$0.00		0
-	$ -	$ -	$ -	-$ 258.17		1
-	$ -	$ -	$ -	-$ 297.60		2
-	$ -	$ -	$ -	-$ 1,133.75		3
-	$ 259.784	$ 259.784	$ -	-$ 3,543.32		4
-	$ 1,192.407	$ 1,192.407	$ -	-$ 5,254.74		5
32.5008	$ 1,216.255	$ 1,248.756	$ 535.83	-$ 2,604.51		6
202.3288	$ -	$ 202.329	$ 3,335.71	$ 2,225.41		7
230.6549	$ -	$ 230.655	$ 3,802.71	$ 2,635.23		8
260.0330	$ -	$ 260.033	$ 4,287.06	$ 3,232.00		9
290.4940	$ -	$ 290.494	$ 4,789.26	$ 4,022.28		10
322.0695	$ -	$ 322.069	$ 5,309.83	$ 4,668.27		11
350.4116	$ -	$ 350.412	$ 5,777.10	$ 5,272.29		12
357.4198	$ -	$ 357.420	$ 5,892.64	$ 5,377.74		13
364.5682	$ -	$ 364.568	$ 6,010.49	$ 5,485.29		14
371.8596	$ -	$ 371.860	$ 6,130.70	$ 5,595.00		15
379.2968	$ -	$ 379.297	$ 6,253.31	$ 5,706.90		16
386.8827	$ -	$ 386.883	$ 6,378.38	$ 5,821.04		17
394.6204	$ -	$ 394.620	$ 6,505.95	$ 5,937.46		18
402.5128	$ -	$ 402.513	$ 6,636.07	$ 6,056.21		19
410.5630	$ -	$ 410.563	$ 6,768.79	$ 6,177.33		20
418.7743	$ -	$ 418.774	$ 6,904.16	$ 6,300.88		21
427.1498	$ -	$ 427.150	$ 7,042.25	$ 6,426.89		22
435.6928	$ -	$ 435.693	$ 7,183.09	$ 6,555.43		23
444.4066	$ -	$ 444.407	$ 7,326.75	$ 6,686.54		24
453.2947	$ -	$ 453.295	$ 7,473.29	$ 6,820.27		25
462.3606	$ -	$ 462.361	$ 7,622.75	$ 6,956.68		26
471.6079	$ -	$ 471.608	$ 7,775.21	$ 7,095.81		27
481.0400	$ -	$ 481.040	$ 7,930.71	$ 7,237.73		28
490.6608	$ -	$ 490.661	$ 8,089.33	$ 7,382.48		29
500.4740	$ -	$ 500.474	$ 8,251.11	$ 7,530.13		30
$ 9,342	**$ 2,668**	**$ 12,010**	**$ 154,012**	**$ 124,113**		
USD 6,228	**USD 1,779**		**USD 102,675**	**USD 82,742**		

	$	29,245		$	16,040		$	5,480		$	1,130
		USD 19,497			USD 10,693			USD 3,653			USD 753
NPV @ 7%			**NPV @ 10%**			**NPV @ 15%**			**NPV @ 20%**		
disc factor		*(mm $)*	disc factor		*(mm $)*	disc factor		*(mm $)*	disc factor		*(mm $)*
1.07000	$	-	1.10000	$	-	1.1500	$	-	1.20000	$	-
1.00000	$	-	1.00000	$	-	1.0000	$	-	1.00000	$	-
0.93458	-$	241.3	0.90909	-$	234.7	0.8696	-$	224.5	0.83333	-$	215.1
0.87344	-$	259.9	0.82645	-$	246.0	0.7561	-$	225.0	0.69444	-$	206.7
0.81630	-$	925.5	0.75131	-$	851.8	0.6575	-$	745.5	0.57870	-$	656.1
0.76290	-$	2,703.2	0.68301	-$	2,420.1	0.5718	-$	2,025.9	0.48225	-$	1,708.8
0.71299	-$	3,746.6	0.62092	-$	3,262.8	0.4972	-$	2,612.5	0.40188	-$	2,111.8
0.6663422	-$	1,735.5	0.564474	-$	1,470.2	0.432328	-$	1,126.0	0.334898	-$	872.2
0.6227497	$	1,385.9	0.513158	$	1,142.0	0.375937	$	836.6	0.279082	$	621.1
0.5820091	$	1,533.7	0.466507	$	1,229.4	0.326902	$	861.5	0.232568	$	612.9
0.5439337	$	1,758.0	0.424098	$	1,370.7	0.284262	$	918.7	0.193807	$	626.4
0.5083493	$	2,044.7	0.385543	$	1,550.8	0.247185	$	994.2	0.161506	$	649.6
0.4750928	$	2,217.9	0.350494	$	1,636.2	0.214943	$	1,003.4	0.134588	$	628.3
0.444012	$	2,341.0	0.318631	$	1,679.9	0.186907	$	985.4	0.112157	$	591.3
0.4149644	$	2,231.6	0.289664	$	1,557.7	0.162528	$	874.0	0.093464	$	502.6
0.3878172	$	2,127.3	0.263331	$	1,444.4	0.141329	$	775.2	0.077887	$	427.2
0.362446	$	2,027.9	0.239392	$	1,339.4	0.122894	$	687.6	0.064905	$	363.1
0.3387346	$	1,933.1	0.217629	$	1,242.0	0.106865	$	609.9	0.054088	$	308.7
0.3165744	$	1,842.8	0.197845	$	1,151.7	0.092926	$	540.9	0.045073	$	262.4
0.2958639	$	1,756.7	0.179859	$	1,067.9	0.080805	$	479.8	0.037561	$	223.0
0.2765083	$	1,674.6	0.163508	$	990.2	0.070265	$	425.5	0.031301	$	189.6
0.258419	$	1,596.3	0.148644	$	918.2	0.0611	$	377.4	0.026084	$	161.1
0.2415131	$	1,521.7	0.135131	$	851.4	0.053131	$	334.8	0.021737	$	137.0
0.2257132	$	1,450.6	0.122846	$	789.5	0.046201	$	296.9	0.018114	$	116.4
0.2109469	$	1,382.8	0.111678	$	732.1	0.040174	$	263.4	0.015095	$	99.0
0.1971466	$	1,318.2	0.101526	$	678.9	0.034934	$	233.6	0.012579	$	84.1
0.1842492	$	1,256.6	0.092296	$	629.5	0.030378	$	207.2	0.010483	$	71.5
0.1721955	$	1,197.9	0.083905	$	583.7	0.026415	$	183.8	0.008735	$	60.8
0.1609304	$	1,141.9	0.076278	$	541.3	0.02297	$	163.0	0.00728	$	51.7
0.1504022	$	1,088.6	0.069343	$	501.9	0.019974	$	144.6	0.006066	$	43.9
0.1405628	$	1,037.7	0.063039	$	465.4	0.017369	$	128.2	0.005055	$	37.3
0.1313671	$	989.2	0.057309	$	431.5	0.015103	$	113.7	0.004213	$	31.7
	$	**29,244.9**		**$**	**16,040.1**		**$**	**5,480.0**		**$**	**1,130**

Deflators

Inflation

0.02

On_off buttons for price of gas e

1	0	0

	2001=1		
	Natural Gas price index	GDP deflator	Constr. price defaltor
2000	1.0	0.9800	1.0
2001	1.0	1.0000	1.0
2002	1.0	1.0200	1.0
2003	1.0	1.0404	1.0
2004	1.0	1.0612	1.0
2005	1.0	1.0824	1.0
2006	1.0	1.1041	1.0
2007	1.0	1.1262	1.0
2008	1.0	1.1487	1.0
2009	1.0	1.1717	1.0
2010	1.0	1.1951	1.0
2011	1.0	1.2190	1.0
2012	1.0	1.2434	1.0
2013	1.0	1.2682	1.0
2014	1.0	1.2936	1.0
2015	1.0	1.3195	1.0
2016	1.0	1.3459	1.0
2017	1.0	1.3728	1.0
2018	1.0	1.4002	1.0
2019	1.0	1.4282	1.0
2020	1.0	1.4568	1.0
2021	1.0	1.4859	1.0
2022	1.0	1.5157	1.0
2023	1.0	1.5460	1.0
2024	1.0	1.5769	1.0
2025	1.0	1.6084	1.0
2026	1.0	1.6406	1.0
2027	1.0	1.6734	1.0
2028	1.0	1.7069	1.0
2029	1.0	1.7410	1.0
2030	1.0	1.7758	1.0
2031	1.0	1.8114	1.0

2001=1		
Business deflator	Relative Natural Gas Price	Relative Constr. Deflator
0.9800	1.0000	1.0000
1.0000	1.0000	1.0000
1.0200	1.0000	1.0000
1.0404	1.0000	1.0000
1.0612	1.0000	1.0000
1.0824	1.0000	1.0000
1.1041	1.0000	1.0000
1.1262	1.0000	1.0000
1.1487	1.0000	1.0000
1.1717	1.0000	1.0000
1.1951	1.0000	1.0000
1.2190	1.0000	1.0000
1.2434	1.0000	1.0000
1.2682	1.0000	1.0000
1.2936	1.0000	1.0000
1.3195	1.0000	1.0000
1.3459	1.0000	1.0000
1.3728	1.0000	1.0000
1.4002	1.0000	1.0000
1.4282	1.0000	1.0000
1.4568	1.0000	1.0000
1.4859	1.0000	1.0000
1.5157	1.0000	1.0000
1.5460	1.0000	1.0000
1.5769	1.0000	1.0000
1.6084	1.0000	1.0000
1.6406	1.0000	1.0000
1.6734	1.0000	1.0000
1.7069	1.0000	1.0000
1.7410	1.0000	1.0000
1.7758	1.0000	1.0000
1.8114	1.0000	1.0000

scalations On_off buttons for investment escalations On_off buttons for op.costs e

1	0	0	1	0	0

2001=1		
Business deflator	Relative Natural Gas Price	Relative Constr. Deflator
0.9800	1.0000	1.0000
1.0000	1.0000	1.0000
1.0200	1.0000	1.0000
1.0404	1.0000	1.0000
1.0612	1.0000	1.0000
1.0824	1.0000	1.0000
1.1041	1.0000	1.0000
1.1262	1.0000	1.0000
1.1487	1.0000	1.0000
1.1717	1.0000	1.0000
1.1951	1.0000	1.0000
1.2190	1.0000	1.0000
1.2434	1.0000	1.0000
1.2682	1.0000	1.0000
1.2936	1.0000	1.0000
1.3195	1.0000	1.0000
1.3459	1.0000	1.0000
1.3728	1.0000	1.0000
1.4002	1.0000	1.0000
1.4282	1.0000	1.0000
1.4568	1.0000	1.0000
1.4859	1.0000	1.0000
1.5157	1.0000	1.0000
1.5460	1.0000	1.0000
1.5769	1.0000	1.0000
1.6084	1.0000	1.0000
1.6406	1.0000	1.0000
1.6734	1.0000	1.0000
1.7069	1.0000	1.0000
1.7410	1.0000	1.0000
1.7758	1.0000	1.0000
1.8114	1.0000	1.0000

2001=1		
Business deflator	Relative Natural Gas Price	Relative Constr. Deflator
0.9800	1.0000	1.0000
1.0000	1.0000	1.0000
1.0200	1.0000	1.0000
1.0404	1.0000	1.0000
1.0612	1.0000	1.0000
1.0824	1.0000	1.0000
1.1041	1.0000	1.0000
1.1262	1.0000	1.0000
1.1487	1.0000	1.0000
1.1717	1.0000	1.0000
1.1951	1.0000	1.0000
1.2190	1.0000	1.0000
1.2434	1.0000	1.0000
1.2682	1.0000	1.0000
1.2936	1.0000	1.0000
1.3195	1.0000	1.0000
1.3459	1.0000	1.0000
1.3728	1.0000	1.0000
1.4002	1.0000	1.0000
1.4282	1.0000	1.0000
1.4568	1.0000	1.0000
1.4859	1.0000	1.0000
1.5157	1.0000	1.0000
1.5460	1.0000	1.0000
1.5769	1.0000	1.0000
1.6084	1.0000	1.0000
1.6406	1.0000	1.0000
1.6734	1.0000	1.0000
1.7069	1.0000	1.0000
1.7410	1.0000	1.0000
1.7758	1.0000	1.0000
1.8114	1.0000	1.0000

scalations On_off buttons for tariff escalations

1	0	0

2001=1		
Business deflator	Relative Natural Gas Price	Relative Constr. Deflator
0.9800	1.0000	1.0000
1.0000	1.0000	1.0000
1.0200	1.0000	1.0000
1.0404	1.0000	1.0000
1.0612	1.0000	1.0000
1.0824	1.0000	1.0000
1.1041	1.0000	1.0000
1.1262	1.0000	1.0000
1.1487	1.0000	1.0000
1.1717	1.0000	1.0000
1.1951	1.0000	1.0000
1.2190	1.0000	1.0000
1.2434	1.0000	1.0000
1.2682	1.0000	1.0000
1.2936	1.0000	1.0000
1.3195	1.0000	1.0000
1.3459	1.0000	1.0000
1.3728	1.0000	1.0000
1.4002	1.0000	1.0000
1.4282	1.0000	1.0000
1.4568	1.0000	1.0000
1.4859	1.0000	1.0000
1.5157	1.0000	1.0000
1.5460	1.0000	1.0000
1.5769	1.0000	1.0000
1.6084	1.0000	1.0000
1.6406	1.0000	1.0000
1.6734	1.0000	1.0000
1.7069	1.0000	1.0000
1.7410	1.0000	1.0000
1.7758	1.0000	1.0000
1.8114	1.0000	1.0000

Investment

	USD 4,479	USD 2,562	USD 2,024	USD 117	USD 4,703	USD 9,182
	$ 6,718.33	$ 3,843.71	$ 3,035.95	$ 175.23	$ 7,054.88	$ 13,773.22
Year	Alaska	Yukon	BC	Alberta	Canada	TOTAL
2000	$ -	$ -	$ -	$ -	$ -	$ -
2001	$ -	$ -	$ -	$ -	$ -	$ -
2002	$ 109.84	$ 76.20	$ 66.17	$ 5.96	$ 148.34	$ 258.17
2003	$ 126.22	$ 88.02	$ 76.48	$ 6.88	$ 171.39	$ 297.60
2004	$ 510.54	$ 329.35	$ 273.40	$ 20.47	$ 623.21	$ 1,133.75
2005	$ 1,576.02	$ 913.97	$ 734.77	$ 58.77	$ 1,707.51	$ 3,283.53
2006	$ 2,105.10	$ 1,063.00	$ 835.22	$ 59.01	$ 1,957.23	$ 4,062.33
2007	$ 962.28	$ 502.87	$ 390.91	$ 21.20	$ 914.98	$ 1,877.26
2008	$ 380.23	$ 249.11	$ 188.63	$ 0.85	$ 438.59	$ 818.83
2009	$ 387.84	$ 254.10	$ 192.40	$ 0.87	$ 447.37	$ 835.20
2010	$ 316.02	$ 207.03	$ 156.73	$ 0.67	$ 364.44	$ 680.46
2011	$ 161.83	$ 106.01	$ 80.30	$ 0.36	$ 186.66	$ 348.49
2012	$ 82.42	$ 54.05	$ 40.94	$ 0.18	$ 95.17	$ 177.58
2013	$ -	$ -	$ -	$ -	$ -	$ -
2014	$ -	$ -	$ -	$ -	$ -	$ -
2015	$ -	$ -	$ -	$ -	$ -	$ -
2016	$ -	$ -	$ -	$ -	$ -	$ -
2017	$ -	$ -	$ -	$ -	$ -	$ -
2018	$ -	$ -	$ -	$ -	$ -	$ -
2019	$ -	$ -	$ -	$ -	$ -	$ -
2020	$ -	$ -	$ -	$ -	$ -	$ -
2021	$ -	$ -	$ -	$ -	$ -	$ -
2022	$ -	$ -	$ -	$ -	$ -	$ -
2023	$ -	$ -	$ -	$ -	$ -	$ -
2024	$ -	$ -	$ -	$ -	$ -	$ -
2025	$ -	$ -	$ -	$ -	$ -	$ -
2026	$ -	$ -	$ -	$ -	$ -	$ -
2027	$ -	$ -	$ -	$ -	$ -	$ -
2028	$ -	$ -	$ -	$ -	$ -	$ -
2029	$ -	$ -	$ -	$ -	$ -	$ -
2030	$ -	$ -	$ -	$ -	$ -	$ -
2031	$ -	$ -	$ -	$ -	$ -	$ -

Raw Data from (Dec.18,2001)

\\Charles\d\Work\YUKONGAS\inputs\Post Trip inputs\Saunders CAPEX Prov Separated.xls

Alaska	Yukon	BC	Alberta	Canada	TOTAL
$ 107.7	$ 74.7	$ 64.9	$ 5.8	$ 145.4	$ 253.1
$ 121.3	$ 84.6	$ 73.5	$ 6.6	$ 164.7	$ 286.0
$ 481.1	$ 310.4	$ 257.6	$ 19.3	$ 587.3	$ 1,068.4
$ 1,447.9	$ 838.8	$ 673.9	$ 53.9	$ 1,566.6	$ 3,014.5
$ 1,880.5	$ 944.6	$ 740.7	$ 52.0	$ 1,737.4	$ 3,617.8
$ 827.4	$ 427.8	$ 330.9	$ 17.4	$ 776.0	$ 1,603.4
$ 317.2	$ 207.3	$ 155.9	$ -	$ 363.2	$ 680.5
$ 317.2	$ 207.3	$ 155.9	$ -	$ 363.2	$ 680.5
$ 254.0	$ 166.0	$ 124.9	$ -	$ 290.8	$ 544.8
$ 127.2	$ 83.1	$ 62.6	$ -	$ 145.7	$ 272.9
$ 63.5	$ 41.6	$ 31.3	$ -	$ 72.8	$ 136.3

Investment in operation and maintenance

	Alaska	Yukon	BC	Alberta	Canada	TOTAL
2000	0	0	0	0	0	0
2001	0	0	0	0	0	0
2002	0	0	0	0	0	0
2003	0	0	0	0	0	0
2004	0	0	0	0	0	0
2005	$ 8.1	$ 5.6	$ 4.9	$ 0.4	$ 10.9	$ 19.0
2006	$ 26.2	$ 18.2	$ 15.8	$ 1.4	$ 35.3	$ 61.5
2007	$ 27.0	$ 18.8	$ 16.3	$ 1.5	$ 36.5	$ 63.5
2008	$ 13.8	$ 9.6	$ 8.3	$ 0.7	$ 18.6	$ 32.4
2009	$ 13.8	$ 9.6	$ 8.3	$ 0.7	$ 18.6	$ 32.4
2010	$ 10.5	$ 7.3	$ 6.3	$ 0.6	$ 14.1	$ 24.6
2011	$ 5.5	$ 3.8	$ 3.3	$ 0.3	$ 7.4	$ 13.0
2012	$ 2.8	$ 1.9	$ 1.7	$ 0.1	$ 3.7	$ 6.5
2013	0	0	0	0	0	0
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	0	0	0	0	0	0
2020	0	0	0	0	0	0
2021	0	0	0	0	0	0
2022	0	0	0	0	0	0
2023	0	0	0	0	0	0
2024	0	0	0	0	0	0
2025	0	0	0	0	0	0
2026	0	0	0	0	0	0
2027	0	0	0	0	0	0
2028	0	0	0	0	0	0
2029	0	0	0	0	0	0
2030	0	0	0	0	0	0
2031	0	0	0	0	0	0

Tariff by Section

Operating costs

	Alaska	Canada	Yukon	BC	Alberta	Total
M $	1,365	1,298				2,663
$/mcf	0.043	0.041				0.0834
distance, mil	741	1,005	517	448	40	1,746.0
$/mcf/mile	5.76784E-05	4.044E-05				

Discount Rate	Inflation
0.15515	0.02

Tariff *($/mcf)*

$ 2.05 ***USD 1.37***

		Year		Tariff		Volume Produced	Discount Factor	Discounted Volume
				$/mcf		*(mm mcf/yr)*		*(mm mcf/yr)*
$	1.735	**2000**	$	2.053	-1	0.0	1.1552	0.0
$	2.053	**2001**	$	2.053	0	0.0	1.0000	0.0
$	2.094	**2002**	$	2.053	1	0.0	0.8657	0.0
$	2.136	**2003**	$	2.053	2	0.0	0.7494	0.0
$	2.179	**2004**	$	2.053	3	0.0	0.6488	0.0
$	2.222	**2005**	$	2.053	4	0.0	0.5616	0.0
$	2.267	**2006**	$	2.053	5	0.0	0.4862	0.0
$	2.312	**2007**	$	2.053	6	152.5	0.4209	64.2
$	2.358	**2008**	$	2.053	7	930.8	0.3644	339.1
$	2.405	**2009**	$	2.053	8	1040.3	0.3154	328.1
$	2.454	**2010**	$	2.053	9	1149.8	0.2731	313.9
$	2.503	**2011**	$	2.053	10	1259.3	0.2364	297.7
$	2.553	**2012**	$	2.053	11	1368.8	0.2046	280.1
$	2.604	**2013**	$	2.053	12	1460.0	0.1771	258.6
$	2.656	**2014**	$	2.053	13	1460.0	0.1534	223.9
$	2.709	**2015**	$	2.053	14	1460.0	0.1328	193.8
$	2.763	**2016**	$	2.053	15	1460.0	0.1149	167.8
$	2.818	**2017**	$	2.053	16	1460.0	0.0995	145.3
$	2.875	**2018**	$	2.053	17	1460.0	0.0861	125.7
$	2.932	**2019**	$	2.053	18	1460.0	0.0746	108.9
$	2.991	**2020**	$	2.053	19	1460.0	0.0645	94.2
$	3.051	**2021**	$	2.053	20	1460.0	0.0559	81.6
$	3.112	**2022**	$	2.053	21	1460.0	0.0484	70.6
$	3.174	**2023**	$	2.053	22	1460.0	0.0419	61.1
$	3.237	**2024**	$	2.053	23	1460.0	0.0363	52.9
$	3.302	**2025**	$	2.053	24	1460.0	0.0314	45.8
$	3.368	**2026**	$	2.053	25	1460.0	0.0272	39.7
$	3.436	**2027**	$	2.053	26	1460.0	0.0235	34.3

Tariff ($/mcf)
$ 1.00
USD 0.67

Alaska

Volume Adjusted for inflation	Year	Construction Cost	Operating Cost	Total Cost	Discounted Costs
(mm mcf/yr)		($millions)	($millions)	($millions)	($millions)
0.0	**2000**	0.0	0.00	0.0	0.0
0.0	**2001**	0.0	0.00	0.0	0.0
0.0	**2002**	109.8	0.00	109.8	95.1
0.0	**2003**	126.2	0.00	126.2	94.6
0.0	**2004**	510.542	0.00	510.542	331.220
0.0	**2005**	1576.022	0.00	1576.022	885.134
0.0	**2006**	2105.099	0.00	2105.099	1023.483
171.7	**2007**	962.279	7.34	969.619	408.104
1069.1	**2008**	380.231	45.69	425.926	155.191
1218.8	**2009**	387.836	52.09	439.928	138.763
1374.1	**2010**	316.021	58.73	374.748	102.328
1535.0	**2011**	161.8	65.61	227.435	53.762
1701.9	**2012**	82.4	72.74	155.152	31.749
1851.6	**2013**	0.0	79.14	79.138	14.019
1888.7	**2014**	0.0	80.72	80.721	12.379
1926.4	**2015**	0.0	82.34	82.335	10.931
1965.0	**2016**	0.0	83.98	83.982	9.652
2004.3	**2017**	0.0	85.66	85.662	8.523
2044.4	**2018**	0.0	87.38	87.375	7.525
2085.2	**2019**	0.0	89.12	89.123	6.645
2126.9	**2020**	0.0	90.91	90.905	5.868
2169.5	**2021**	0.0	92.72	92.723	5.181
2212.9	**2022**	0.0	94.58	94.578	4.575
2257.1	**2023**	0.0	96.47	96.469	4.040
2302.3	**2024**	0.0	98.40	98.399	3.567
2348.3	**2025**	0.0	100.37	100.366	3.150
2395.3	**2026**	0.0	102.37	102.374	2.781
2443.2	**2027**	0.0	104.42	104.421	2.456

Tariff
($/mcf)

$ 1.05
USD 0.70

Canada

Tariff	Year	Construction Cost	Operating Cost	Total Cost	Discounted Costs	Tariff
$/mcf		***($millions)***	***($millions)***	***($millions)***	***($millions)***	***$/mcf***
$1.00	**2000**	0.0	0.0000	0.00	0.00	$1.05
$1.00	**2001**	0.0	0.0000	0.00	0.00	$1.05
$1.00	**2002**	148.3	0.0000	148.34	128.41	$1.05
$1.00	**2003**	171.4	0.0000	171.39	128.44	$1.05
$1.00	**2004**	623.209	0.0000	623.21	404.31	$1.05
$1.00	**2005**	1707.509	0.0000	1707.51	958.98	$1.05
$1.00	**2006**	1957.234	0.0000	1957.23	951.59	$1.05
$1.00	**2007**	914.980	6.9798	921.96	388.04	$1.05
$1.00	**2008**	438.595	43.4518	482.05	175.64	$1.05
$1.00	**2009**	447.366	49.5351	496.90	156.73	$1.05
$1.00	**2010**	364.437	55.8443	420.28	114.76	$1.05
$1.00	**2011**	186.7	62.3860	249.05	58.87	$1.05
$1.00	**2012**	95.2	69.1671	164.34	33.63	$1.05
$1.00	**2013**	0.0	75.2538	75.25	13.33	$1.05
$1.00	**2014**	0.0	76.7589	76.76	11.77	$1.05
$1.00	**2015**	0.0	78.2941	78.29	10.39	$1.05
$1.00	**2016**	0.0	79.8600	79.86	9.18	$1.05
$1.00	**2017**	0.0	81.4572	81.46	8.10	$1.05
$1.00	**2018**	0.0	83.0863	83.09	7.16	$1.05
$1.00	**2019**	0.0	84.7481	84.75	6.32	$1.05
$1.00	**2020**	0.0	86.4430	86.44	5.58	$1.05
$1.00	**2021**	0.0	88.1719	88.17	4.93	$1.05
$1.00	**2022**	0.0	89.9353	89.94	4.35	$1.05
$1.00	**2023**	0.0	91.7340	91.73	3.84	$1.05
$1.00	**2024**	0.0	93.5687	93.57	3.39	$1.05
$1.00	**2025**	0.0	95.4401	95.44	3.00	$1.05
$1.00	**2026**	0.0	97.3489	97.35	2.64	$1.05
$1.00	**2027**	0.0	99.2958	99.30	2.34	$1.05

Tariff
($/mcf)
$ 0.57
USD 0.38

Yukon	**Construction Cost**	**Operating Cost**	**Total Cost**	**Discounted Costs**	**Tariff**	**B.C.**
	($millions)	***($millions)***	***($millions)***	***($millions)***	***$/mcf***	
2000	0.0	-	0.00	0.00	$0.57	**2000**
2001	0.0	-	0.00	0.00	$0.57	**2001**
2002	76.2	-	76.20	65.97	$0.57	**2002**
2003	88.0	-	88.02	65.97	$0.57	**2003**
2004	329.347	-	329.347	213.668	$0.57	**2004**
2005	913.974	-	913.974	513.311	$0.57	**2005**
2006	1063.000	-	1063.000	516.822	$0.57	**2006**
2007	502.866	3.591	506.457	213.163	$0.57	**2007**
2008	249.113	22.353	271.466	98.912	$0.57	**2008**
2009	254.096	25.482	279.578	88.185	$0.57	**2009**
2010	207.032	28.728	235.760	64.376	$0.57	**2010**
2011	106.0	32.093	138.099	32.644	$0.57	**2011**
2012	54.0	35.582	89.629	18.341	$0.57	**2012**
2013	0.0	38.713	38.713	6.858	$0.57	**2013**
2014	0.0	39.487	39.487	6.056	$0.57	**2014**
2015	0.0	40.277	40.277	5.347	$0.57	**2015**
2016	0.0	41.082	41.082	4.721	$0.57	**2016**
2017	0.0	41.904	41.904	4.169	$0.57	**2017**
2018	0.0	42.742	42.742	3.681	$0.57	**2018**
2019	0.0	43.597	43.597	3.251	$0.57	**2019**
2020	0.0	44.469	44.469	2.870	$0.57	**2020**
2021	0.0	45.358	45.358	2.534	$0.57	**2021**
2022	0.0	46.265	46.265	2.238	$0.57	**2022**
2023	0.0	47.191	47.191	1.976	$0.57	**2023**
2024	0.0	48.134	48.134	1.745	$0.57	**2024**
2025	0.0	49.097	49.097	1.541	$0.57	**2025**
2026	0.0	50.079	50.079	1.360	$0.57	**2026**
2027	0.0	51.081	51.081	1.201	$0.57	**2027**

Tariff
($/mcf)

$ 0.45
USD 0.30

Construction Cost	**Operating Cost**	**Total Cost**	**Discounted Costs**	**Tariff**	**Alberta**	**Construction Cost**
($millions)	***($millions)***	***($millions)***	***($millions)***	***$/mcf***		***($millions)***
0.0	-	0.000	0.00	$0.45	**2000**	0.0
0.0	-	0.000	0.00	$0.45	**2001**	0.0
66.2	-	66.174	57.29	$0.45	**2002**	6.0
76.5	-	76.482	57.32	$0.45	**2003**	6.9
273.395	-	273.395	177.37	$0.45	**2004**	20.467
734.765	-	734.765	412.66	$0.45	**2005**	58.770
835.219	-	835.219	406.08	$0.45	**2006**	59.015
390.913	3.111	394.024	165.84	$0.45	**2007**	21.201
188.631	19.370	208.000	75.79	$0.45	**2008**	0.850
192.403	22.081	214.485	67.65	$0.45	**2009**	0.867
156.733	24.894	181.627	49.59	$0.45	**2010**	0.672
80.3	27.810	108.107	25.55	$0.45	**2011**	0.4
40.9	30.833	71.771	14.69	$0.45	**2012**	0.2
0.0	33.546	33.546	5.94	$0.45	**2013**	0.0
0.0	34.217	34.217	5.25	$0.45	**2014**	0.0
0.0	34.901	34.901	4.63	$0.45	**2015**	0.0
0.0	35.599	35.599	4.09	$0.45	**2016**	0.0
0.0	36.311	36.311	3.61	$0.45	**2017**	0.0
0.0	37.037	37.037	3.19	$0.45	**2018**	0.0
0.0	37.778	37.778	2.82	$0.45	**2019**	0.0
0.0	38.534	38.534	2.49	$0.45	**2020**	0.0
0.0	39.304	39.304	2.20	$0.45	**2021**	0.0
0.0	40.091	40.091	1.94	$0.45	**2022**	0.0
0.0	40.892	40.892	1.71	$0.45	**2023**	0.0
0.0	41.710	41.710	1.51	$0.45	**2024**	0.0
0.0	42.544	42.544	1.34	$0.45	**2025**	0.0
0.0	43.395	43.395	1.18	$0.45	**2026**	0.0
0.0	44.263	44.263	1.04	$0.45	**2027**	0.0

CHECK

13,773.22	4,115.96
TRUE	**TRUE**

Tariff
($/mcf)

$ 0.03
USD 0.02

Operating Cost	**Total Cost**	**Discounted Costs**	**Tariff**
($millions)	***($millions)***	***($millions)***	***$/mcf***
0.000	0.000	0.000	$0.03
0.000	0.000	0.000	$0.03
0.000	5.960	5.160	$0.03
0.000	6.879	5.155	$0.03
0.000	20.467	13.278	$0.03
0.000	58.770	33.007	$0.03
0.000	59.015	28.692	$0.03
0.278	21.479	9.040	$0.03
1.729	2.580	0.940	$0.03
1.972	2.839	0.895	$0.03
2.223	2.894	0.790	$0.03
2.483	2.844	0.672	$0.03
2.753	2.937	0.601	$0.03
2.995	2.995	0.531	$0.03
3.055	3.055	0.469	$0.03
3.116	3.116	0.414	$0.03
3.179	3.179	0.365	$0.03
3.242	3.242	0.323	$0.03
3.307	3.307	0.285	$0.03
3.373	3.373	0.251	$0.03
3.441	3.441	0.222	$0.03
3.509	3.509	0.196	$0.03
3.580	3.580	0.173	$0.03
3.651	3.651	0.153	$0.03
3.724	3.724	0.135	$0.03
3.799	3.799	0.119	$0.03
3.875	3.875	0.105	$0.03
3.952	3.952	0.093	$0.03

	USD 9,182	**USD 2,744**
ANGTS	**$ 13,773**	**$ 4,116**
	Construction Cost	**Operating Cost**
	($millions)	***($millions)***
2000	0.0	0.0
2001	0.0	0.0
2002	258.2	0.0
2003	297.6	0.0
2004	1133.751	0.0
2005	3283.532	0.0
2006	4062.332	0.0
2007	1877.260	14.3
2008	818.826	89.147
2009	835.203	101.627
2010	680.458	114.571
2011	348.5	127.992
2012	177.6	141.905
2013	0.0	154.392
2014	0.0	157.480
2015	0.0	160.630
2016	0.0	163.842
2017	0.0	167.119
2018	0.0	170.461
2019	0.0	173.871
2020	0.0	177.348
2021	0.0	180.895
2022	0.0	184.513
2023	0.0	188.203
2024	0.0	191.967
2025	0.0	195.807
2026	0.0	199.723
2027	0.0	203.717

17,889.18   7,030.61 $ 2.05

TRUE   **TRUE**   **TRUE**

Tariff
($/mcf)

$ 2.053   **$ 1.37**

USD 11,926	**USD 4,687**	**USD 46,044**	**USD 102,675**	**USD 0**	**USD 56,631**	
$ 17,889	**$ 7,031**	**$ 69,067**	**$ 154,012**	**$ -**	**$ 84,946**	
Total Cost	**Discounted Costs**	**Alaska to Alberta Tariff Revenue**	**Gross Revenue**	**To Chicago Market Tariff Rev**	**Producer Revenue**	**Wellhead Gas price**
($millions)	***($millions)***	***($millions)***	***($millions)***	***($millions)***	***($millions)***	***$/mcf***
$ -	0.000	$ -	$ -	$ -	$ -	0.0
$ -	0.000	$ -	$ -	$ -	$ -	0.0
$ 258.17	223.498	$ -	$ -	$ -	$ -	0.0
$ 297.60	223.030	$ -	$ -	$ -	$ -	0.0
$ 1,133.75	735.534	$ -	$ -	$ -	$ -	0.0
$ 3,283.53	1844.114	$ -	$ -	$ -	$ -	0.0
$ 4,062.33	1975.075	$ -	$ -	$ -	$ -	0.0
$ 1,891.58	796.149	$ 313.09	$ 535.83	$ -	$ 222.74	0.0
$ 907.97	330.829	$ 1,910.86	$ 3,335.71	$ -	$ 1,424.85	$ 1.53
$ 936.83	295.497	$ 2,135.67	$ 3,802.71	$ -	$ 1,667.05	$ 1.60
$ 795.03	217.089	$ 2,360.47	$ 4,287.06	$ -	$ 1,926.59	$ 1.68
$ 476.48	112.633	$ 2,585.28	$ 4,789.26	$ -	$ 2,203.98	$ 1.75
$ 319.49	65.378	$ 2,810.09	$ 5,309.83	$ -	$ 2,499.74	$ 1.83
$ 154.39	27.350	$ 2,997.43	$ 5,777.10	$ -	$ 2,779.67	$ 1.90
$ 157.48	24.151	$ 2,997.43	$ 5,892.64	$ -	$ 2,895.21	$ 1.98
$ 160.63	21.325	$ 2,997.43	$ 6,010.49	$ -	$ 3,013.06	$ 2.06
$ 163.84	18.830	$ 2,997.43	$ 6,130.70	$ -	$ 3,133.27	$ 2.15
$ 167.12	16.627	$ 2,997.43	$ 6,253.31	$ -	$ 3,255.89	$ 2.23
$ 170.46	14.682	$ 2,997.43	$ 6,378.38	$ -	$ 3,380.95	$ 2.32
$ 173.87	12.964	$ 2,997.43	$ 6,505.95	$ -	$ 3,508.52	$ 2.40
$ 177.35	11.447	$ 2,997.43	$ 6,636.07	$ -	$ 3,638.64	$ 2.49
$ 180.89	10.108	$ 2,997.43	$ 6,768.79	$ -	$ 3,771.36	$ 2.58
$ 184.51	8.925	$ 2,997.43	$ 6,904.16	$ -	$ 3,906.74	$ 2.68
$ 188.20	7.881	$ 2,997.43	$ 7,042.25	$ -	$ 4,044.82	$ 2.77
$ 191.97	6.959	$ 2,997.43	$ 7,183.09	$ -	$ 4,185.66	$ 2.87
$ 195.81	6.145	$ 2,997.43	$ 7,326.75	$ -	$ 4,329.33	$ 2.97
$ 199.72	5.426	$ 2,997.43	$ 7,473.29	$ -	$ 4,475.86	$ 3.07
$ 203.72	4.791	$ 2,997.43	$ 7,622.75	$ -	$ 4,625.33	$ 3.17

$ 3.504	**2028**	$ 2.053	27	1460.0	0.0204	29.7
$ 3.574	**2029**	$ 2.053	28	1460.0	0.0176	25.7
$ 3.646	**2030**	$ 2.053	29	1460.0	0.0153	22.3
$ 3.719	**2031**	$ 2.053	30	1460.0	0.0132	19.3
				33,641	**8.5154**	**3,424.50**

2492.1	**2028**	0.0	106.51	106.510	2.168
2541.9	**2029**	0.0	108.64	108.640	1.915
2592.7	**2030**	0.0	110.81	110.813	1.691
2644.6	**2031**	0.0	113.03	113.029	1.493
49,362.98		**6,718.33**	**2,109.76**	**8,828.09**	**3,427.97**

$1.00	**2028**	0.0	101.2818	101.28	2.06	$1.05
$1.00	**2029**	0.0	103.3074	103.31	1.82	$1.05
$1.00	**2030**	0.0	105.3736	105.37	1.61	$1.05
$1.00	**2031**	0.0	107.4810	107.48	1.42	$1.05
		7,054.88	**2,006.20**	**9,061.09**	**3,602.65**	

2028	0.0	52.102	52.102	1.061	$0.57		**2028**
2029	0.0	53.144	53.144	0.937	$0.57		**2029**
2030	0.0	54.207	54.207	0.827	$0.57		**2030**
2031	0.0	55.291	55.291	0.730	$0.57		**2031**
	3,843.7	**1,032.0**	**4,875.8**	**1,944.5**			

0.0	45.148	45.148	0.92	$0.45		**2028**	0.0
0.0	46.051	46.051	0.81	$0.45		**2029**	0.0
0.0	46.972	46.972	0.72	$0.45		**2030**	0.0
0.0	47.912	47.912	0.63	$0.45		**2031**	0.0
3,035.95	**894.31**	**3,930.26**	**1,555.85**				**175.23**

4.031	4.031	0.082	$0.03	**2028**		0.0		207.791
4.112	4.112	0.072	$0.03	**2029**		0.0		211.947
4.194	4.194	0.064	$0.03	**2030**		0.0		216.186
4.278	4.278	0.057	$0.03	**2031**		0.0		220.510
79.85	**255.08**	**102.34**			**$**	**13,773**	**$**	**4,116**

$ 207.79	4.230	$ 2,997.43	$ 7,775.21	$ -	$ 4,777.78	$ 3.27
$ 211.95	3.736	$ 2,997.43	$ 7,930.71	$ -	$ 4,933.29	$ 3.38
$ 216.19	3.298	$ 2,997.43	$ 8,089.33	$ -	$ 5,091.90	$ 3.49
$ 220.51	2.913	$ 2,997.43	$ 8,251.11	$ -	$ 5,253.69	$ 3.60
$ 17,889	**$ 7,031**	**$ 69,067**	**$ 154,012**	**$ -**	**$ 84,946**	

Revenue Distribution

Producers

	$ 84,946 USD 56,631	$ 9,342 USD 6,228	$ 9,451 USD 6,300	$ 7,560 USD 5,040	$ 947 USD 632	$ 17,958 USD 11,972
Year	**Producer Revenue**	**Wellhead Operating Cost**	**Royalties**	**Severance Tax**	**Property Tax**	**Pre corp. tax Costs**
	($millions)	*($millions)*	*($millions)*	*($millions)*	*($millions)*	*($millions)*
2000	$0	$0	$0	$0	$0	$0
2001	$0	$0	$0	$0	$0	$0
2002	$0	$0	$0	$0	$0	$0
2003	$0	$0	$0	$0	$0	$0
2004	$0	$0	$0	$0	$0	$0
2005	$0	$0	$0	$0	$0	$0
2006	$0	$0	$0	$0	$0	$0
2007	$223	$33	$24	$19	$0	$43
2008	$1,425	$202	$153	$122	$52	$327
2009	$1,667	$231	$180	$144	$51	$374
2010	$1,927	$260	$208	$167	$50	$425
2011	$2,204	$290	$239	$191	$49	$479
2012	$2,500	$322	$272	$218	$48	$538
2013	$2,780	$350	$304	$243	$47	$593
2014	$2,895	$357	$317	$254	$46	$617
2015	$3,013	$365	$331	$265	$44	$640
2016	$3,133	$372	$345	$276	$43	$665
2017	$3,256	$379	$360	$288	$42	$689
2018	$3,381	$387	$374	$299	$41	$715
2019	$3,509	$395	$389	$311	$40	$741
2020	$3,639	$403	$405	$324	$39	$767
2021	$3,771	$411	$420	$336	$38	$794
2022	$3,907	$419	$436	$349	$37	$821
2023	$4,045	$427	$452	$362	$36	$850
2024	$4,186	$436	$469	$375	$34	$878
2025	$4,329	$444	$486	$388	$33	$907
2026	$4,476	$453	$503	$402	$32	$937
2027	$4,625	$462	$520	$416	$31	$968
2028	$4,778	$472	$538	$431	$30	$999
2029	$4,933	$481	$557	$445	$29	$1,031
2030	$5,092	$491	$575	$460	$28	$1,063
2031	$5,254	$500	$594	$475	$27	$1,096

$ 57,646 USD 38,431	$ 2,668	$ 5,168 USD 3,445	$ 2,668	$ 49,810 USD 33,206	$ 17,433 USD 11,622	$ 44,386 USD 29,591
Pre corp. tax Income	State Depreciation	State Corp. Tax	Federal Depreciation	Fed taxable Income	Fed. Corp Tax	After Tax Revenue
($millions)	*($millions)*	*($millions)*	*($millions)*	*($millions)*	*($millions)*	*($millions)*
$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0
$147	$0	$14	$0	$134	$47	$119
$895	$243	$61	$381	$453	$158	$878
$1,062	$441	$58	$654	$350	$123	$1,112
$1,242	$361	$83	$467	$692	$242	$1,177
$1,434	$295	$107	$333	$994	$348	$1,270
$1,640	$242	$131	$238	$1,270	$445	$1,386
$1,836	$198	$154	$238	$1,444	$505	$1,527
$1,921	$162	$165	$238	$1,518	$531	$1,582
$2,008	$162	$174	$119	$1,716	$600	$1,599
$2,097	$162	$182	$0	$1,915	$670	$1,617
$2,187	$162	$190	$0	$1,997	$699	$1,677
$2,279	$162	$199	$0	$2,080	$728	$1,739
$2,373	$81	$215	$0	$2,158	$755	$1,797
$2,469	$0	$232	$0	$2,237	$783	$1,857
$2,567	$0	$241	$0	$2,326	$814	$1,922
$2,666	$0	$251	$0	$2,416	$846	$1,989
$2,768	$0	$260	$0	$2,508	$878	$2,057
$2,872	$0	$270	$0	$2,602	$911	$2,127
$2,977	$0	$280	$0	$2,698	$944	$2,198
$3,085	$0	$290	$0	$2,795	$978	$2,270
$3,195	$0	$300	$0	$2,895	$1,013	$2,344
$3,307	$0	$311	$0	$2,996	$1,049	$2,419
$3,422	$0	$322	$0	$3,100	$1,085	$2,496
$3,538	$0	$333	$0	$3,206	$1,122	$2,574
$3,657	$0	$344	$0	$3,313	$1,160	$2,654

CHECK
USD 21,584

IRR
30.9%

Producer Returns		NPV @ 15.00%	
$ 32,376 **USD 21,584**			**$ 1,909** **USD 1,272**
($millions)		disc factor	*(mm $)*
$0 -	1	1.15000	$0
$0	0	1.00000	$0
$0	1	0.86957	$0
$0	2	0.75614	$0
$0	3	0.65752	$0
-$260	4	0.57175	-$149
-$1,192	5	0.49718	-$593
-$1,129	6	0.43233	-$488
$675	7	0.37594	$254
$881	8	0.32690	$288
$917	9	0.28426	$261
$979	10	0.24718	$242
$1,064	11	0.21494	$229
$1,177	12	0.18691	$220
$1,225	13	0.16253	$199
$1,234	14	0.14133	$174
$1,245	15	0.12289	$153
$1,298	16	0.10686	$139
$1,352	17	0.09293	$126
$1,403	18	0.08081	$113
$1,454	19	0.07027	$102
$1,512	20	0.06110	$92
$1,570	21	0.05313	$83
$1,630	22	0.04620	$75
$1,691	23	0.04017	$68
$1,753	24	0.03493	$61
$1,817	25	0.03038	$55
$1,882	26	0.02642	$50
$1,948	27	0.02297	$45
$2,015	28	0.01997	$40
$2,084	29	0.01737	$36
$2,154	30	0.01510	$33

Pipeline (Canada)

Year	Total Revenue	Operating Cost
	$ 35,391.3 **USD 23,594**	**$ 2,006.2** **USD 1,337**
	($mm)	*($mm)*
2000	$0	$0
2001	$0	$0
2002	$0	$0
2003	$0	$0
2004	$0	$0
2005	$0	$0
2006	$0	$0
2007	$160	$7
2008	$979	$43
2009	$1,094	$50
2010	$1,210	$56
2011	$1,325	$62
2012	$1,440	$69
2013	$1,536	$75
2014	$1,536	$77
2015	$1,536	$78
2016	$1,536	$80
2017	$1,536	$81
2018	$1,536	$83
2019	$1,536	$85
2020	$1,536	$86
2021	$1,536	$88
2022	$1,536	$90
2023	$1,536	$92
2024	$1,536	$94
2025	$1,536	$95
2026	$1,536	$97
2027	$1,536	$99
2028	$1,536	$101
2029	$1,536	$103
2030	$1,536	$105
2031	$1,536	$107

$ 7,055	$ 7,055	$ 3,454	$ 2,902	$ 6,181	$ 21,599	$ 13,792	$ 35,391
USD 4,703	USD 4,703	USD 2,303	USD 1,935	USD 4,121	USD 14,399	USD 9,195	USD 23,594
Investment	Capital Depreciation	Property Tax	Prov CIT	Fed Inc Tax	Paid Receipts	Pipeline Returns	Cost of Service
($mm)	*($mm)*	*($mm)*	*($mm)*	*($mm)*	*($mm)*	*($mm)*	*($mm)*
$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0
$148	$0	$0	$0	$0	$148	-$148	-$148
$171	$0	$0	$0	$0	$171	-$171	-$171
$623	$0	$0	$0	$0	$623	-$623	-$623
$1,708	$0	$0	$0	$0	$1,708	-$1,708	-$1,708
$1,957	$0	$0	$0	$0	$1,957	-$1,957	-$1,957
$915	$0	$110	$6	$10	$1,049	-$888	-$755
$439	$432	$119	$61	$110	$772	$207	$972
$447	$468	$128	$67	$135	$827	$268	$1,115
$364	$505	$135	$76	$160	$792	$418	$1,350
$187	$266	$139	$77	$192	$657	$668	$1,404
$95	$266	$141	$79	$225	$609	$831	$1,610
$0	$269	$141	$84	$253	$554	$982	$1,805
$0	$269	$141	$81	$259	$558	$978	$1,805
$0	$269	$141	$80	$264	$563	$973	$1,805
$0	$269	$141	$85	$267	$573	$963	$1,805
$0	$269	$141	$98	$268	$589	$947	$1,805
$0	$269	$141	$103	$272	$599	$937	$1,805
$0	$269	$141	$105	$276	$607	$929	$1,805
$0	$269	$141	$110	$279	$617	$919	$1,805
$0	$269	$141	$114	$283	$626	$910	$1,805
$0	$269	$141	$116	$287	$634	$902	$1,805
$0	$269	$141	$124	$289	$646	$890	$1,805
$0	$269	$141	$126	$293	$654	$882	$1,805
$0	$269	$141	$139	$294	$670	$866	$1,805
$0	$269	$141	$189	$285	$712	$824	$1,805
$0	$269	$141	$191	$289	$720	$816	$1,805
$0	$269	$141	$194	$292	$729	$807	$1,805
$0	$269	$141	$197	$296	$737	$799	$1,805
$0	$269	$141	$199	$300	$746	$790	$1,805
$0	$269	$141	$202	$304	$754	$782	$1,805

Pipeline (Alaska)

	$ 33,675	$ 2,110	$ 6,718	$ 6,718	$ 1,617	$ 1,787
	USD 22,450	USD 1,407	USD 4,479	USD 4,479	USD 1,078	USD 1,191
Year	**Total Revenue**	**Operating Cost**	**Investment**	**Capital Depreciation**	**Property Tax**	**State CIT**
	($mm)	*($mm)*	*($mm)*	*($mm)*	*($mm)*	*($mm)*
2000	$0	$0	$0	$0	$0	$0
2001	$0	$0	$0	$0	$0	$0
2002	$0	$0	$110	$0	$0	$0
2003	$0	$0	$126	$0	$0	$0
2004	$0	$0	$511	$0	$0	$0
2005	$0	$0	$1,576	$0	$0	$0
2006	$0	$0	$2,105	$0	$0	$0
2007	$153	$7	$962	$0	$108	$3
2008	$932	$46	$380	$399	$108	$34
2009	$1,041	$52	$388	$429	$108	$39
2010	$1,151	$59	$316	$459	$107	$44
2011	$1,261	$66	$162	$250	$105	$45
2012	$1,370	$73	$82	$256	$101	$47
2013	$1,461	$79	$0	$259	$96	$50
2014	$1,461	$81	$0	$259	$92	$49
2015	$1,461	$82	$0	$259	$87	$49
2016	$1,461	$84	$0	$259	$82	$52
2017	$1,461	$86	$0	$259	$77	$60
2018	$1,461	$87	$0	$259	$72	$63
2019	$1,461	$89	$0	$259	$67	$65
2020	$1,461	$91	$0	$259	$62	$68
2021	$1,461	$93	$0	$259	$57	$71
2022	$1,461	$95	$0	$259	$52	$73
2023	$1,461	$96	$0	$259	$47	$78
2024	$1,461	$98	$0	$259	$42	$79
2025	$1,461	$100	$0	$259	$37	$87
2026	$1,461	$102	$0	$259	$32	$117
2027	$1,461	$104	$0	$259	$27	$119
2028	$1,461	$107	$0	$259	$22	$120
2029	$1,461	$109	$0	$259	$17	$122
2030	$1,461	$111	$0	$259	$12	$124
2031	$1,461	$113	$0	$259	$7	$126

IRR
10.8%

Fed Inc Tax	Paid Receipts	Pipline Returns	Cost of Service	Gov'ts Rev	Total	Present Value @ 15.00%
$ 6,027 USD 4,018	$ 18,259 USD 12,173	$ 15,416 USD 10,278	$ 33,675 USD 22,450	$ 6,181 USD 4,121	$ 29,208 USD 19,472	-$ 1,916.2 -USD 1,277
($mm)	($mm)	($mm)	($mm)	($mm)	($mm)	
$0	$0	$0	$0	$0	$ -	$ -
$0	$0	$0	$0	$0	$ -	$ -
$0	$110	-$110	-$110	$0	-$ 258	-$ 224
$0	$126	-$126	-$126	$0	-$ 298	-$ 225
$0	$511	-$511	-$511	$0	-$ 1,134	-$ 745
$0	$1,576	-$1,576	-$1,576	$0	-$ 3,284	-$ 1,877
$0	$2,105	-$2,105	-$2,105	$0	-$ 4,062	-$ 2,020
$11	$1,092	-$939	-$810	$10	-$ 1,827	-$ 790
$114	$682	$249	$951	$110	$ 457	$ 172
$116	$704	$338	$1,082	$135	$ 605	$ 198
$129	$654	$496	$1,293	$160	$ 914	$ 260
$125	$503	$758	$1,348	$192	$ 1,425	$ 352
$127	$431	$939	$1,544	$225	$ 1,770	$ 381
$164	$390	$1,071	$1,721	$253	$ 2,053	$ 384
$158	$379	$1,082	$1,721	$259	$ 2,060	$ 335
$143	$361	$1,100	$1,721	$264	$ 2,073	$ 293
$154	$371	$1,090	$1,721	$267	$ 2,053	$ 252
$187	$409	$1,053	$1,721	$268	$ 2,000	$ 214
$193	$415	$1,047	$1,721	$272	$ 1,984	$ 184
$219	$440	$1,022	$1,721	$276	$ 1,951	$ 158
$225	$446	$1,016	$1,721	$279	$ 1,935	$ 136
$231	$452	$1,010	$1,721	$283	$ 1,920	$ 117
$229	$448	$1,013	$1,721	$287	$ 1,915	$ 102
$256	$476	$985	$1,721	$289	$ 1,875	$ 87
$392	$611	$850	$1,721	$293	$ 1,732	$ 70
$397	$621	$841	$1,721	$294	$ 1,707	$ 60
$393	$644	$818	$1,721	$285	$ 1,641	$ 50
$400	$649	$812	$1,721	$289	$ 1,628	$ 43
$406	$655	$807	$1,721	$292	$ 1,614	$ 37
$413	$660	$801	$1,721	$296	$ 1,600	$ 32
$419	$666	$796	$1,721	$300	$ 1,586	$ 28
$425	$671	$790	$1,721	$304	$ 1,572	$ 24

Provincial Taxes

Yukon

	$ 19,102 USD 12,735	$ 1,032 USD 688	$ 2,698 USD 1,799	$ 1,882 USD 1,255	$ 3,516 USD 2,344	$ 1,496 USD 997
Year	Total Revenue	Operating Cost	Interest Paid	Property Tax	Provincial Depreciation	Prov CIT
	($mm)	*($mm)*	*($mm)*	*($mm)*	*($mm)*	*($mm)*
2000	$ -	$0	$0	$0	$0	$0
2001	$ -	$0	$0	$0	$0	$0
2002	$ -	$0	$0	$0	$0	$0
2003	$ -	$0	$0	$0	$0	$0
2004	$ -	$0	$0	$0	$0	$0
2005	$ -	$0	$0	$0	$0	$0
2006	$ -	$0	$0	$0	$0	$0
2007	$ 87	$4	$0	$60	$4	$3
2008	$ 528	$22	$198	$65	$35	$31
2009	$ 591	$25	$201	$70	$65	$34
2010	$ 653	$29	$201	$74	$89	$39
2011	$ 715	$32	$197	$76	$146	$40
2012	$ 777	$36	$190	$77	$206	$40
2013	$ 829	$39	$180	$77	$246	$43
2014	$ 829	$39	$170	$77	$265	$42
2015	$ 829	$40	$160	$77	$280	$41
2016	$ 829	$41	$150	$77	$272	$43
2017	$ 829	$42	$140	$77	$236	$50
2018	$ 829	$43	$130	$77	$227	$53
2019	$ 829	$44	$120	$77	$227	$54
2020	$ 829	$44	$110	$77	$220	$57
2021	$ 829	$45	$100	$77	$217	$58
2022	$ 829	$46	$90	$77	$217	$60
2023	$ 829	$47	$80	$77	$199	$64
2024	$ 829	$48	$70	$77	$200	$65
2025	$ 829	$49	$60	$77	$165	$72
2026	$ 829	$50	$50	$77	$0	$98
2027	$ 829	$51	$40	$77	$0	$99
2028	$ 829	$52	$30	$77	$0	$101
2029	$ 829	$53	$20	$77	$0	$102
2030	$ 829	$54	$10	$77	$0	$103
2031	$ 829	$55	$0	$77	$0	$105

B.C.

	$ 15,284	$ 894	$ 2,131	$ 1,487	$ 2,777	$ 1,319
	USD 10,189	USD 596	USD 1,421	USD 991	USD 1,851	USD 879
Year	**Total Revenue**	**Operating Cost**	**Interest Paid**	**Property Tax**	**Provincial Depreciatior**	**Prov CIT**
	($mm)	*($mm)*	*($mm)*	*($mm)*	*($mm)*	*($mm)*
2000	$ -	$0	$0	$0	$0	$0
2001	$ -	$0	$0	$0	$0	$0
2002	$ -	$0	$0	$0	$0	$0
2003	$ -	$0	$0	$0	$0	$0
2004	$ -	$0	$0	$0	$0	$0
2005	$ -	$0	$0	$0	$0	$0
2006	$ -	$0	$0	$0	$0	$0
2007	$ 69.28	$3	$0	$48	$3	$3
2008	$ 422.87	$19	$157	$51	$28	$28
2009	$ 472.61	$22	$159	$55	$51	$31
2010	$ 522.36	$25	$159	$58	$71	$35
2011	$ 572.11	$28	$156	$60	$115	$35
2012	$ 621.86	$31	$150	$61	$162	$36
2013	$ 663.32	$34	$142	$61	$194	$38
2014	$ 663.32	$34	$134	$61	$209	$37
2015	$ 663.32	$35	$126	$61	$221	$36
2016	$ 663.32	$36	$118	$61	$215	$39
2017	$ 663.32	$36	$111	$61	$186	$44
2018	$ 663.32	$37	$103	$61	$180	$47
2019	$ 663.32	$38	$95	$61	$180	$48
2020	$ 663.32	$39	$87	$61	$174	$50
2021	$ 663.32	$39	$79	$61	$171	$52
2022	$ 663.32	$40	$71	$61	$171	$53
2023	$ 663.32	$41	$63	$61	$157	$56
2024	$ 663.32	$42	$55	$61	$158	$57
2025	$ 663.32	$43	$47	$61	$130	$63
2026	$ 663.32	$43	$39	$61	$0	$86
2027	$ 663.32	$44	$32	$61	$0	$87
2028	$ 663.32	$45	$24	$61	$0	$88
2029	$ 663.32	$46	$16	$61	$0	$89
2030	$ 663.32	$47	$8	$61	$0	$90
2031	$ 663.32	$48	$0	$61	$0	$92

Alberta

Year	Total Revenue	Operating Cost	Interest Paid	Property Tax	Provincial Depreciation	Prov CIT	All Gov't
	$ 1,005	$ 80	$ 123	$ 86	$ 160	$ 86	
	USD 670	USD 53	USD 82	USD 57	USD 107	USD 57	
	($mm)	*($mm)*	*($mm)*	*($mm)*	*($mm)*	*($mm)*	*($mm)*
2000	$ -	$0.0	$0.0	$0.0	$0.0	$0.0	$0
2001	$ -	$0.0	$0.0	$0.0	$0.0	$0.0	$0
2002	$ -	$0.0	$0.0	$0.0	$0.0	$0.0	$0
2003	$ -	$0.0	$0.0	$0.0	$0.0	$0.0	$0
2004	$ -	$0.0	$0.0	$0.0	$0.0	$0.0	$0
2005	$ -	$0.0	$0.0	$0.0	$0.0	$0.0	$0
2006	$ -	$0.0	$0.0	$0.0	$0.0	$0.0	$0
2007	$ 4.56	$0.3	$0.0	$2.7	$0.2	$0.2	$352
2008	$ 27.82	$1.7	$9.0	$3.0	$1.6	$1.9	$1,093
2009	$ 31.09	$2.0	$9.2	$3.2	$3.0	$2.1	$1,149
2010	$ 34.36	$2.2	$9.2	$3.4	$4.1	$2.4	$1,401
2011	$ 37.63	$2.5	$9.0	$3.5	$6.6	$2.5	$1,618
2012	$ 40.90	$2.8	$8.7	$3.5	$9.4	$2.6	$1,834
2013	$ 43.63	$3.0	$8.2	$3.5	$11.2	$2.7	$2,042
2014	$ 43.63	$3.1	$7.8	$3.5	$12.1	$2.7	$2,093
2015	$ 43.63	$3.1	$7.3	$3.5	$12.8	$2.6	$2,178
2016	$ 43.63	$3.2	$6.8	$3.5	$12.4	$2.7	$2,297
2017	$ 43.63	$3.2	$6.4	$3.5	$10.8	$3.1	$2,409
2018	$ 43.63	$3.3	$5.9	$3.5	$10.4	$3.2	$2,485
2019	$ 43.63	$3.4	$5.5	$3.5	$10.4	$3.2	$2,584
2020	$ 43.63	$3.4	$5.0	$3.5	$10.0	$3.4	$2,667
2021	$ 43.63	$3.5	$4.6	$3.5	$9.9	$3.4	$2,745
2022	$ 43.63	$3.6	$4.1	$3.5	$9.9	$3.5	$2,815
2023	$ 43.63	$3.7	$3.6	$3.5	$9.1	$3.7	$2,921
2024	$ 43.63	$3.7	$3.2	$3.5	$9.1	$3.7	$3,132
2025	$ 43.63	$3.8	$2.7	$3.5	$7.5	$4.0	$3,226
2026	$ 43.63	$3.9	$2.3	$3.5	$0.0	$5.3	$3,362
2027	$ 43.63	$4.0	$1.8	$3.5	$0.0	$5.3	$3,447
2028	$ 43.63	$4.0	$1.4	$3.5	$0.0	$5.4	$3,534
2029	$ 43.63	$4.1	$0.9	$3.5	$0.0	$5.4	$3,623
2030	$ 43.63	$4.2	$0.5	$3.5	$0.0	$5.5	$3,713
2031	$ 43.63	$4.3	$0.0	$3.5	$0.0	$5.6	$3,805

US Gov't	Alaska Gov't	Federal Gov't	Canadian Gov't	Provincial Gov't	Yukon Gov't	BC Gov't	Alberta Gov't	Federal Gov't
($mm)	*($mm)*	*($mm)*	*($mm)*	*($mm)*	*($mm)*	*($mm)*	*($mm)*	*($mm)*
$0	$0	$0	$0	$0	$0	$0	$0.0	$0
$0	$0	$0	$0	$0	$0	$0	$0.0	$0
$0	$0	$0	$0	$0	$0	$0	$0.0	$0
$0	$0	$0	$0	$0	$0	$0	$0.0	$0
$0	$0	$0	$0	$0	$0	$0	$0.0	$0
$0	$0	$0	$0	$0	$0	$0	$0.0	$0
$0	$0	$0	$0	$0	$0	$0	$0.0	$0
$226	$168	$58	$127	$116	$63	$50	$3.0	$10
$803	$531	$272	$290	$180	$96	$79	$4.9	$110
$819	$580	$239	$330	$195	$104	$86	$5.3	$135
$1,030	$659	$371	$372	$211	$113	$93	$5.8	$160
$1,210	$737	$473	$408	$217	$115	$95	$5.9	$192
$1,390	$818	$572	$445	$220	$117	$97	$6.1	$225
$1,564	$894	$669	$479	$225	$120	$99	$6.3	$253
$1,612	$923	$689	$481	$223	$119	$98	$6.2	$259
$1,693	$949	$744	$485	$221	$118	$97	$6.1	$264
$1,804	$980	$824	$493	$226	$120	$99	$6.2	$267
$1,902	$1,016	$886	$507	$239	$127	$105	$6.6	$268
$1,970	$1,049	$921	$516	$244	$130	$107	$6.7	$272
$2,062	$1,088	$974	$522	$246	$131	$109	$6.7	$276
$2,137	$1,129	$1,008	$530	$251	$133	$111	$6.9	$279
$2,208	$1,163	$1,045	$537	$255	$135	$112	$6.9	$283
$2,271	$1,196	$1,075	$544	$257	$137	$114	$7.0	$287
$2,367	$1,234	$1,133	$554	$265	$141	$117	$7.2	$289
$2,572	$1,269	$1,303	$560	$267	$142	$118	$7.2	$293
$2,652	$1,311	$1,341	$574	$280	$149	$124	$7.5	$294
$2,747	$1,376	$1,372	$615	$330	$175	$146	$8.8	$285
$2,826	$1,413	$1,413	$621	$333	$176	$148	$8.8	$289
$2,907	$1,452	$1,455	$628	$335	$177	$149	$8.9	$292
$2,989	$1,491	$1,498	$634	$338	$179	$150	$8.9	$296
$3,073	$1,532	$1,541	$640	$340	$180	$151	$9.0	$300
$3,158	$1,573	$1,585	$647	$343	$181	$152	$9.1	$304
$49,990	$26,530	$23,460	$12,538	$6,357	$3,378	$2,806	$172	$6,181

Depreciation

Producers (conditioning only)

assumption

Year	Construction Schedule	Cost	Property Tax Depreciation	Property Tax Base	Property Tax Rate	Property Tax
2000		0	0		0%	$ -
2001		0	0		0%	$ -
2002		0	0		0%	$ -
2003		0	0		0%	$ -
2004		0	0		0%	$ -
2005	0.1	259.78372	0	$ 260	0%	$ -
2006	0.45	1192.4073	0	$ 1,452	0%	$ -
2007	0.45	1216.2554	0	$ 2,668	0%	$ -
2008		0	55.59	$ 2,612.85	2%	$ 52.3
2009		0	55.59	$ 2,557.26	2%	$ 51.1
2010		0	55.59	$ 2,501.67	2%	$ 50.0
2011		0	55.59	$ 2,446.08	2%	$ 48.9
2012		0	55.59	$ 2,390.48	2%	$ 47.8
2013		0	55.59	$ 2,334.89	2%	$ 46.7
2014		0	55.59	$ 2,279.30	2%	$ 45.6
2015		0	55.59	$ 2,223.71	2%	$ 44.5
2016		0	55.59	$ 2,168.11	2%	$ 43.4
2017		0	55.59	$ 2,112.52	2%	$ 42.3
2018		0	55.59	$ 2,056.93	2%	$ 41.1
2019		0	55.59	$ 2,001.33	2%	$ 40.0
2020		0	55.59	$ 1,945.74	2%	$ 38.9
2021		0	55.59	$ 1,890.15	2%	$ 37.8
2022		0	55.59	$ 1,834.56	2%	$ 36.7
2023		0	55.59	$ 1,778.96	2%	$ 35.6
2024		0	55.59	$ 1,723.37	2%	$ 34.5
2025		0	55.59	$ 1,667.78	2%	$ 33.4
2026		0	55.59	$ 1,612.19	2%	$ 32.2
2027		0	55.59	$ 1,556.59	2%	$ 31.1
2028		0	55.59	$ 1,501.00	2%	$ 30.0
2029		0	55.59	$ 1,445.41	2%	$ 28.9
2030		0	55.59	$ 1,389.82	2%	$ 27.8
2031		0	55.59	$ 1,334.22	2%	$ 26.7
		2668.4464	1334.223199			**$ 947.3**
						USD 631.5

Pipeline (

FOR FED CORP TAX		FOR STATE CORP TAX		
Federal Depreciation Schedule	Depreciation	**State Depreciation Schedule**	Depreciation	**Year**
0	$ -	0		**2000**
0	$ -	0		**2001**
0	$ -	0		**2002**
0	$ -	0		**2003**
0	$ -	0		**2004**
0	$ -	0		**2005**
0	$ -	0		**2006**
0	$ -	0		**2007**
0.1429	$ 381.32	0.0909	$ 242.59	**2008**
0.2449	$ 653.50	0.1653	$ 441.07	**2009**
0.1749	$ 466.71	0.1352	$ 360.88	**2010**
0.1249	$ 333.29	0.1107	$ 295.26	**2011**
0.0893	$ 238.29	0.0905	$ 241.57	**2012**
0.0892	$ 238.03	0.0741	$ 197.65	**2013**
0.0893	$ 238.29	0.0606	$ 161.71	**2014**
0.0446	$ 119.01	0.0606	$ 161.71	**2015**
0	$ -	0.0606	$ 161.71	**2016**
0	$ -	0.0606	$ 161.71	**2017**
0	$ -	0.0606	$ 161.71	**2018**
0	$ -	0.0303	$ 80.88	**2019**
0	$ -	0	$ -	**2020**
0	$ -	0	$ -	**2021**
0	$ -	0	$ -	**2022**
0	$ -	0	$ -	**2023**
0	$ -	0	$ -	**2024**
0	$ -	0	$ -	**2025**
0	$ -	0	$ -	**2026**
0	$ -	0	$ -	**2027**
0	$ -	0	$ -	**2028**
0	$ -	0	$ -	**2029**
0	$ -	0	$ -	**2030**
0	$ -	0	$ -	**2031**
1.00	$ 2,668.45	1.00	$ 2,668.45	

Canada

FOR PROV C

Construction Schedule	Cost	Property Tax Depreciation	Property Tax Base	Property Tax Rate	Property Tax	Provincial Depreciation Schedule
0	$ -	0	$ -	0%	$ -	0
0	$ -	0	$ -	0%	$ -	0
0.0230	$ 148.34	0	$ 148	0%	$ -	0
0.0266	$ 171.39	0	$ 320	0%	$ -	0
0.0966	$ 623.21	0	$ 943	0%	$ -	0
0.2646	$ 1,707.51	0	$ 2,650	0%	$ -	0
0.3033	$ 1,957.23	0	$ 4,608	0%	$ -	0
0.1418	$ 914.98	0	$ 5,523	2%	$ 110.45	0.00100
0.0680	$ 438.59	0	$ 5,961	2%	$ 119.22	0.00993
0.0693	$ 447.37	0	$ 6,409	2%	$ 128.17	0.01848
0.0565	$ 364.44	0	$ 6,773	2%	$ 135.46	0.02539
0.0289	$ 186.66	0	$ 6,960	2%	$ 139.19	0.04145
0.0147	$ 95.17	0	$ 7,055	2%	$ 141.10	0.05845
0	$ -	0	$ 7,055	2%	$ 141.10	0.06987
0	$ -	0	$ 7,055	2%	$ 141.10	0.07532
0	$ -	0	$ 7,055	2%	$ 141.10	0.07975
0	$ -	0	$ 7,055	2%	$ 141.10	0.07736
0	$ -	0	$ 7,055	2%	$ 141.10	0.06711
0	$ -	0	$ 7,055	2%	$ 141.10	0.06468
0	$ -	0	$ 7,055	2%	$ 141.10	0.06468
0	$ -	0	$ 7,055	2%	$ 141.10	0.06268
0	$ -	0	$ 7,055	2%	$ 141.10	0.06168
0	$ -	0	$ 7,055	2%	$ 141.10	0.06168
0	$ -	0	$ 7,055	2%	$ 141.10	0.05668
0	$ -	0	$ 7,055	2%	$ 141.10	0.05692
0	$ -	0	$ 7,055	2%	$ 141.10	0.04689
0	$ -	0	$ 7,055	2%	$ 141.10	0
0	$ -	0	$ 7,055	2%	$ 141.10	0
0	$ -	0	$ 7,055	2%	$ 141.10	0
0	$ -	0	$ 7,055	2%	$ 141.10	0
0	$ -	0	$ 7,055	2%	$ 141.10	0
0	$ -	0	$ 7,055	2%	$ 141.10	0
1.09	$ 7,054.88	0.00			**$ 3,454.46**	1.0000000
					USD 2,303	

Pipeline Alaska

ORP TAX FOR FED CORP TAX

Depreciation	Federal Depreciation Schedule	Depreciation	Year	Construction Schedule	Cost
$ -	0	$ -	**2000**	0	$ -
$ -	0	$ -	**2001**	0	$ -
$ -	0	$ -	**2002**	0.0230	$ 110
$ -	0	$ -	**2003**	0.0266	$ 126
$ -	0	$ -	**2004**	0.0966	$ 511
$ -	0	$ -	**2005**	0.2646	$ 1,576
$ -	0	$ -	**2006**	0.3033	$ 2,105
$ 6	0.01000	$ 65	**2007**	0.1418	$ 962
$ 64	0.05000	$ 323	**2008**	0.0680	$ 380
$ 119	0.08500	$ 549	**2009**	0.0693	$ 388
$ 164	0.09050	$ 584	**2010**	0.0565	$ 316
$ 267	0.07900	$ 510	**2011**	0.0289	$ 162
$ 377	0.07230	$ 467	**2012**	0.0147	$ 82
$ 451	0.06270	$ 405	**2013**	0	$ -
$ 486	0.05900	$ 381	**2014**	0	$ -
$ 515	0.05900	$ 381	**2015**	0	$ -
$ 499	0.05900	$ 381	**2016**	0	$ -
$ 433	0.05900	$ 381	**2017**	0	$ -
$ 417	0.05900	$ 381	**2018**	0	$ -
$ 417	0.05900	$ 381	**2019**	0	$ -
$ 404	0.05900	$ 381	**2020**	0	$ -
$ 398	0.05900	$ 381	**2021**	0	$ -
$ 398	0.04900	$ 316	**2022**	0	$ -
$ 366	0.02950	$ 190	**2023**	0	$ -
$ 367	0	$ -	**2024**	0	$ -
$ 303	0	$ -	**2025**	0	$ -
$ -	0	$ -	**2026**	0	$ -
$ -	0	$ -	**2027**	0	$ -
$ -	0	$ -	**2028**	0	$ -
$ -	0	$ -	**2029**	0	$ -
$ -	0	$ -	**2030**	0	$ -
$ -	0	$ -	**2031**	0	$ -
	1.0000000				6718.3306

				FOR STATE CORP TAX		FOR FED CO
Property Tax Depreciation	**Property Tax Base**	**Property Tax Rate**	**Property Tax**	**Provincial Depreciation Schedule**	Depreciation	**Federal Depreciation Schedule**
0	$ -	0%	$ -	0	$ -	0
0	$ -	0%	$ -	0	$ -	0
0	$ 110	0%	$ -	0	$ -	0
0	$ 236	0%	$ -	0	$ -	0
0	$ 747	0%	$ -	0	$ -	0
0	$ 2,323	0%	$ -	0	$ -	0
0	$ 4,428	0%	$ -	0	$ -	0
333.48	$ 5,390	2%	$ 108	0.0001	$ 0.6	0.00050
358.09	$ 5,412	2%	$ 108	0.00983	$ 61.3	0.01100
383.18	$ 5,417	2%	$ 108	0.01818	$ 113.4	0.02510
403.63	$ 5,329	2%	$ 107	0.02599	$ 162.1	0.03550
249.52	$ 5,241	2%	$ 105	0.04255	$ 265.4	0.05500
249.52	$ 5,074	2%	$ 101	0.05845	$ 364.6	0.07290
249.52	$ 4,825	2%	$ 96	0.06987	$ 435.9	0.07270
249.52	$ 4,575	2%	$ 92	0.07532	$ 469.8	0.07900
249.52	$ 4,326	2%	$ 87	0.07935	$ 495.0	0.08910
249.52	$ 4,076	2%	$ 82	0.07736	$ 482.6	0.08710
249.52	$ 3,827	2%	$ 77	0.06711	$ 418.6	0.07410
249.52	$ 3,577	2%	$ 72	0.06468	$ 403.5	0.07410
249.52	$ 3,328	2%	$ 67	0.06468	$ 403.5	0.06510
249.52	$ 3,078	2%	$ 62	0.06268	$ 391.0	0.06510
249.52	$ 2,829	2%	$ 57	0.06168	$ 384.8	0.06510
249.52	$ 2,579	2%	$ 52	0.06168	$ 384.8	0.06910
249.52	$ 2,330	2%	$ 47	0.05668	$ 353.6	0.05950
249.52	$ 2,080	2%	$ 42	0.05692	$ 355.1	0
249.52	$ 1,831	2%	$ 37	0.04689	$ 292.5	0
249.52	$ 1,581	2%	$ 32	0	$ -	0
249.52	$ 1,332	2%	$ 27	0	$ -	0
249.52	$ 1,082	2%	$ 22	0	$ -	0
249.52	$ 833	2%	$ 17	0	$ -	0
249.52	$ 583	2%	$ 12	0	$ -	0
249.52	$ 333	2%	$ 7	0	$ -	0
6718.33057	88711.17		**$ 1,617**	1.0000000	**$ 6,238.0**	1.00000
			USD 1,078		**USD 4,159**	

RP TAX

Depreciation
$ -
$ -
$ -
$ -
$ -
$ -
$ -
$ 3
$ 69
$ 157
$ 221
$ 343
$ 455
$ 454
$ 493
$ 556
$ 543
$ 462
$ 462
$ 406
$ 406
$ 406
$ 431
$ 371
$ -
$ -
$ -
$ -
$ -
$ -
$ -
$ -
$ 6,238
USD 4,159

LAM Model V1.1

The Local Area Model is comprised of Nine modules:

- Module 1 - Local Income
- Module 2 - Local Expenditures
- Module 3 - Local Employment
- Module 4 - Ancillary Expenditures
- Module 5 - Impact Multipliers
- Module 6 - Local Income Impact
- Module 7 - Local Employment Impact
- Module 8 - Local Tax Impacts
- Module 9 - Impact Summary

Model users must fill out the information requirements worksheet.
Results report the impact from expenditure increases in the local area.
Mandatory information has a yellow fill in column d.

To see the results from each module, either click on the appropriate tab, or **print** the **entire workbook** from the **file** menu.

Module one is used only to determine net and gross effects, it discounts local income due to local sources, so no actual "impact" from increases in income.

Quick Example:

- go to the "Required info" worksheet.
- type $1,000,000 into row 50, labelled 1.1b, Total wages and salaries: change - local employment

This represents an increase of one million dollars in wages and salaries received by local residents.

- go to Module nine

The results shown are representative of the "impact" to the local area with a general wage rate increase.

Notice there are no direct and indirect employment and municipal tax impacts. This is due to only a wage rate increase being imposed, thus the one million dollar direct impact.

The induced effects occur because the people in the local area spend their money, thus generating induced income, employment and municipal tax impacts.

	Local Revenues	dollars	Non-Attributable Local Revenues
1.2	**Corporate Profits**		
1.2a	present amount		
1.2b	change		0%
1.3	**Government Business Enterprise Profits**		
1.3a	present amount		
1.3b	change		
1.4	**Interest and other income**		
1.4a	present amount		
1.4b	change		50%
1.5	**Non-farm and unincorporated business income**		
1.5a	present amount		
1.5b	change		0%
1.6	**adjustment**		
1.71	**Indirect Taxes**		
1.71a	present amount		
1.71b	change		
1.73	**Subsidies**		
1.73a	present amount		
1.73b	change		
1.8	**Current Capital Account**		
1.8a	present amount		
1.8b	change		
1.9	**adjustment**		
1.10	**GDP for local area**		
1.10a	present amount	$15,140,000	28%
1.10b	change	$0	28%

	Local Expenditures	dollars	Local Area Expenditure
1.1	**Total Wages and Salaries** (paid by employers, not incl benefits, taxes, other dues)		
1.1a	present amount	$8,000,000	100%
1.1b	change - local employment		100%
1.1c	change - direct pipeline employment		100%
2.1	**Expenditure on goods and services**		
2.1a	present amount	$5,200,000	70%
2.1b	change		10%
2.2	**Other expenditure** (capital spending and investment in inventories)		
2.2a	present amount	$5,333,000	40%
2.2b	change		40%
2.3	**Municipal Spending** (not incl. debt servicing, and transfers to reserves)		
2.31	**General government services**		
2.31a	present amount	$332,620	100%
2.31b	change		100%
2.32	**Protective services**		
2.32a	present amount	$14,085	100%
2.32b	change		100%
2.33	**Public Works, incl water and sewer**		
2.33a	present amount	$436,190	60%
2.33b	change		60%
2.34	**Disposal Services**		
2.34a	present amount	$34,900	60%
2.34b	change		60%
2.35	**Fire Department and fire awareness**		
2.35a	present amount	$139,475	80%
2.35b	change		80%
2.36	**Recreation and cultural services**		
2.36a	present amount	$299,570	75%
2.36b	change		75%
2.4	**Municipal Property Tax** (by local residents and establishments)		
2.4a	present amount	$416,000	100%
2.4b	change		
2.4c	change - direct pipeline employment		100%
2.5	**adjustment**		0%
2.6	**GDP for local area**		
2.6a	present amount	$15,140,000	28%
2.6b	change	$0	28%

	Local Revenues	dollars	Non-Attributable Local Revenues
1.2	**Corporate Profits**		
1.2a	present amount		
1.2b	change		0%
1.3	**Government Business Enterprise Profits**		
1.3a	present amount		
1.3b	change		
1.4	**Interest and other income**		
1.4a	present amount		
1.4b	change		50%
1.5	**Non-farm and unincorporated business income**		
1.5a	present amount		
1.5b	change		0%
1.6	**adjustment**		
1.71	**Indirect Taxes**		
1.71a	present amount		
1.71b	change		
1.73	**Subsidies**		
1.73a	present amount		
1.73b	change		
1.8	**Current Capital Account**		
1.8a	present amount		
1.8b	change		
1.9	**adjustment**		
1.10	**GDP for local area**		
1.10a	present amount	$15,140,000	28%
1.10b	change	$0	28%

	Local Expenditures	dollars	Local Area Expenditure
1.1	**Total Wages and Salaries** (paid by employers, not incl benefits, taxes, other dues)		
1.1a	present amount	$8,000,000	100%
1.1b	change - local employment		100%
1.1c	change - direct pipeline employment		100%
2.1	**Expenditure on goods and services**		
2.1a	present amount	$5,200,000	70%
2.1b	change		10%
2.2	**Other expenditure** (capital spending and investment in inventories)		
2.2a	present amount	$5,333,000	40%
2.2b	change		40%
2.3	**Municipal Spending** (not incl. debt servicing, and transfers to reserves)		
2.31	**General government services**		
2.31a	present amount	$332,620	100%
2.31b	change		100%
2.32	**Protective services**		
2.32a	present amount	$14,085	100%
2.32b	change		100%
2.33	**Public Works, incl water and sewer**		
2.33a	present amount	$436,190	60%
2.33b	change		60%
2.34	**Disposal Services**		
2.34a	present amount	$34,900	60%
2.34b	change		60%
2.35	**Fire Department and fire awareness**		
2.35a	present amount	$139,475	80%
2.35b	change		80%
2.36	**Recreation and cultural services**		
2.36a	present amount	$299,570	75%
2.36b	change		75%
2.4	**Municipal Property Tax** (by local residents and establishments)		
2.4a	present amount	$416,000	100%
2.4b	change		
2.4c	change - direct pipeline employment		100%
2.5	**adjustment**		0%
2.6	**GDP for local area**		
2.6a	present amount	$15,140,000	28%
2.6b	change	$0	28%

	EMPLOYMENT	**Hours number**	**Local Workers per cent**
3.1	**Total Number of Paid Hours** (by local establishments)		
3.1a	present amount	413,400	100%
	Annual number of hours worked assumption	1,800	
3.1b	change		100%
	Annual number of hours worked assumption	1,800	
3.1c	change - direct pipeline employment		100%
	Annual number of hours worked assumption	1,200	
3.2	**Consultant and Contract Employees** - wages for this can be included with "Total wages and salaries"		
3.21	**Number of Consultant / Contract Employees**		
3.21a	present amount	-	50%
3.21b	change	-	50%
	Annual number of hours worked assumption		
3.22	**Paid hours of Consultant/Contract Employees**		
3.22a	present amount	-	50%
	Annual number of hours worked assumption	1,800	
3.22b	change	-	50%
	Annual number of hours worked assumption	1,800	

	ANCILLARY EXPENDITURES	**Total number**	**Local number**
4.1	**Tourists - annual**		
4.1a	present amount	128,000	0
4.1b	change		

	Average Ancillary Spending (per person, per trip)	**Ancillary Expenditure dollars**
4.2a	- Local Transportation	
4.2b	- Accommodation	
4.2c	- Meals (Restaurants)	$50.00
4.2d	- Other	

	Multipliers - all numbered rows must be filled	**Income Multiplier**
5.1	**Local Income Multiplier**	1.04
	Select row 5.1 from below	

Community Population:	**Income Multiplier**
Less than 2,500	1.04
2,501 to 5,000	1.07
5,001 to 10,000	1.15
10,000 to 25,000	1.28
25,001 to 50,000	1.42
50,001 to 100,000	1.58
100,001 to 500,000	2.03
More than 500,000	2.27

MODULE ONE - LOCAL INCOME

		All Income		Income from Local Sources		
	Local Income	dollars		per cent		dollars
1.2	**Corporate Profits**					
1.2a	present amount	$0	x	0%	=	$0
1.2b	change	$0	x	0%	=	$0
1.3	**Government Business Enterprise Profits**					
1.3a	present amount	$0	x	0%	=	$0
1.3b	change	$0	x	0%	=	$0
1.4	**Interest and other income**					
1.4a	present amount	$0	x	0%	=	$0
1.4b	change	$0	x	50%	=	$0
1.5	**Non-farm and unincorporated business income**					
1.5a	present amount	$0	x	0%	=	$0
1.5b	change	$0	x	0%	=	$0
1.6	**adjustment**	$0	x	0%	=	$0
1.71	**Indirect Taxes**					
1.71a	present amount	$0	x	0%	=	$0
1.71b	change	$0	x	0%	=	$0
1.73	**Subsidies**					
1.73a	present amount	$0	x	0%	=	$0
1.73b	change	$0	x	0%	=	$0
1.8	**Current Capital Account**					
1.8a	present amount	$0	x	0%	=	$0
1.8b	change	$0	x	0%	=	$0
1.9	**adjustment**	$0	x	0%	=	$0
1.10	**GDP for local area**					
1.10a	present amount	$15,140,000				
1.10b	change	$0				
		1A				*1B*
1.1c	**Local Impact**	$0				$0

	EMPLOYMENT	Hours number	Local Workers per cent
3.1	**Total Number of Paid Hours** (by local establishments)		
3.1a	present amount	413,400	100%
	Annual number of hours worked assumption	1,800	
3.1b	change		100%
	Annual number of hours worked assumption	1,800	
3.1c	change - direct pipeline employment		100%
	Annual number of hours worked assumption	1,200	
3.2	**Consultant and Contract Employees** - wages for this can be included with "Total wages and salaries"		
3.21	**Number of Consultant / Contract Employees**		
3.21a	present amount	-	50%
3.21b	change	-	50%
	Annual number of hours worked assumption		
3.22	**Paid hours of Consultant/Contract Employees**		
3.22a	present amount	-	50%
	Annual number of hours worked assumption	1,800	
3.22b	change	-	50%
	Annual number of hours worked assumption	1,800	

	ANCILLARY EXPENDITURES	Total number	Local number
4.1	**Tourists - annual**		
4.1a	present amount	128,000	0
4.1b	change		

	Average Ancillary Spending (per person, per trip)	Ancillary Expenditure dollars
4.2a	- Local Transportation	
4.2b	- Accommodation	
4.2c	- Meals (Restaurants)	$50.00
4.2d	- Other	

	Multipliers - all numbered rows must be filled	Income Multiplier
5.1	**Local Income Multiplier**	1.04
	Select row 5.1 from below	

Community Population:	Income Multiplier
Less than 2,500	1.04
2,501 to 5,000	1.07
5,001 to 10,000	1.15
10,000 to 25,000	1.28
25,001 to 50,000	1.42
50,001 to 100,000	1.58
100,001 to 500,000	2.03
More than 500,000	2.27

MODULE ONE - LOCAL INCOME

		All Income		Income from Local Sources		
	Local Income	dollars		per cent		dollars
1.2	**Corporate Profits**					
1.2a	present amount	$0	x	0%	=	$0
1.2b	change	$0	x	0%	=	$0
1.3	**Government Business Enterprise Profits**					
1.3a	present amount	$0	x	0%	=	$0
1.3b	change	$0	x	0%	=	$0
1.4	**Interest and other income**					
1.4a	present amount	$0	x	0%	=	$0
1.4b	change	$0	x	50%	=	$0
1.5	**Non-farm and unincorporated business income**					
1.5a	present amount	$0	x	0%	=	$0
1.5b	change	$0	x	0%	=	$0
1.6	**adjustment**	$0	x	0%	=	$0
1.71	**Indirect Taxes**					
1.71a	present amount	$0	x	0%	=	$0
1.71b	change	$0	x	0%	=	$0
1.73	**Subsidies**					
1.73a	present amount	$0	x	0%	=	$0
1.73b	change	$0	x	0%	=	$0
1.8	**Current Capital Account**					
1.8a	present amount	$0	x	0%	=	$0
1.8b	change	$0	x	0%	=	$0
1.9	**adjustment**	$0	x	0%	=	$0
1.10	**GDP for local area**					
1.10a	present amount	$15,140,000				
1.10b	change	$0				
		1A				*1B*
1.1c	**Local Impact**	$0				$0

MODULE TWO - LOCAL EXPENDITURES

		All Expenditures		Local Expenditures		
	EXPENDITURES	dollars		per cent		dollars
1.1	**Total Wages and Salaries (paid by employers, not incl benefits, taxes, other dues)**					
1.1a	present amount	$8,000,000	x	100%	=	$8,000,000
1.1b	change - local employment	$0	x	100%	=	$0
1.1c	change - direct pipeline employment	$0	x	100%	=	$0
2.1	**Expenditure on goods and services**					
2.1a	present amount	$5,200,000	x	70%	=	$3,640,000
2.1b	change	$0	x	10%	=	$0
2.2	**Other expenditure (capital spending and investment in inventories)**					
2.2a	present amount	$5,333,000	x	40%	=	$2,133,200
2.2b	change	$0	x	40%	=	$0
2.3	**Municipal Spending (not incl. debt servicing, and transfers to reserves)**					
2.31	**General government services**					
2.31a	present amount	$332,620	x	100%	=	$332,620
2.31b	change	$0	x	100%	=	$0
2.32	**Protective services**					
2.32a	present amount	$14,085	x	100%	=	$14,085
2.32b	change	$0	x	100%	=	$0
2.33	**Public Works, incl water and sewer**					
2.33a	present amount	$436,190	x	60%	=	$261,714
2.33b	change	$0	x	60%	=	$0
2.34	**Disposal Services**					
2.34a	present amount	$34,900	x	60%	=	$20,940
2.34b	change	$0	x	60%	=	$0
2.35	**Fire Department and fire awareness**					
2.35a	present amount	$139,475	x	80%	=	$111,580
2.35b	change	$0	x	80%	=	$0
2.36	**Recreation and cultural services**					
2.36a	present amount	$299,570	x	75%	=	$224,678

2.36b	change	$0	x	75%	=	$0
2.4	**Municipal Property Tax (by local residents and establishments)**					
2.4a	present amount	$416,000	x	100%	=	$416,000
2.4b	change	$0	x	0%	=	$0
2.4c	change - direct pipeline employment	$0	x	100%	=	$0
2.5	**adjustment**	$0	x	0%	=	$0
2.6	**GDP for local area**					
2.6a	present amount	$15,140,000				
2.6b	change	$0				
		2A				*2B*
	TOTAL LOCAL NON-LABOUR EXPENDITURE IMPACT	$0				$0
		2C				2D
	TOTAL LOCAL LABOUR EXPENDITURE IMPACT	$0				$0

MODULE FOUR - ANCILLARY EXPENDITURES

		All Attendees		Non-Local Attendees		
	ANCILLARY EXPENDITURES	**number**		**per cent** (10% = 0.1)		**number**
		4A				*4B*
4.1	**Tourists - annual**					
4.1a	present amount	128,000	x	100%	=	128,000
4.1b	change	-	x	100%	=	-
		4A				*4B*
4.1c	**Tourist Impact**	-				-
						Ancillary Expenditure **dollars**
	Average Ancillary Spending					
4.2a	- Local Transportation					$0.00
4.2b	- Accommodation					$0.00
4.2c	- Meals (Restaurants)					$50.00
4.2d	- Other					$0.00
						4C
4.2	**Total Average Ancillary Spending**					$50
						4D=4Bx4C
	GROSS ANCILLARY SPENDING IMPACT					$0
						4E
	LOCAL ANCILLARY EXPENDITURE IMPACT					$0

MODULE FIVE - IMPACT MULTIPLIERS

		Income Multiplier
5.1	**Local Income Multiplier**	**1.04**
	Community Population:	**Income Multiplier**
	Less than 2,500	**1.04**
	2,501 to 5,000	**1.07**
	5,001 to 10,000	**1.15**
	10,000 to 25,000	**1.28**
	25,001 to 50,000	**1.42**
	50,001 to 100,000	**1.58**
	100,001 to 500,000	**2.03**
	More than 500,000	**2.27**
5.2	**Local Earnings per Local Full-Time Equivalent Employment**	
5.2a	All other employment	**$670**
5.2b	Direct Pipeline employment	**$0**
	Local Employment Impact Coefficients	***5A***
	- Pipeline Person-Years per $1000 of Expenditure during event	**0.020**
		5B
	- Person-Years per $1000 of Expenditure during event	**0.030**
	Local Non-Labour Employment Impact Coefficient	**5C**
	- Person-Years per $1000 of Expenditure	**0.030**
5.3	**Local Tax Coefficient (Local Property Taxes per FTE Job, residential and non-residential)**	
5.3a	All other employment	**$1,811**
5.3b	Direct Pipeline employment	**$0**

MODULE SIX - LOCAL INCOME IMPACT

LOCAL INCOME IMPACT	**Direct & Indirect Effects dollars**		**Local Income Multiplier**		**Direct, Indirect & Induced Effects dollars**
Total Local Labour Income Impact	*(from Cell 2C)* **$0**	x	**1.00**	=	***6A*** **$0**
Total Non-Labour Local Income Impact	**$0**	x	**1.04**	=	***6B*** **$0**
Local Ancillary Expenditure Impact	*(from Cell 4E)* **$0**	x	**1.04**	=	***6C*** **$0**
GROSS CONTRIBUTION TO LOCAL ECONOMY - GDP					***6D=6A+6B+6C*** **$0**
Non-Attributable Local Revenue	*(from Cell 1B)* **$0**	x	**1.04**	=	***6E*** **$0**
NET GDP IMPACT					***6F=6D-6E*** **$0**

MODULE SEVEN - LOCAL EMPLOYMENT IMPACT

LOCAL EMPLOYMENT IMPACT	**Direct & Indirect Effects dollars**		**Local Employment Coefficient**		**Direct, Indirect & Induced Effects person-years**
Total Local Labour Expenditure Impact	**$0**	x	*(from Cell 5A)* **0.020**	=	***7A*** -
	$0	x	**0.030**	=	-
Local Ancillary Expenditure Impact	*(from Cell 4E)* **$0**	x	*(from Cell 5A)* **0.030**	=	***7B*** -
Total Local Non-Labour Expenditure Impact	**$0**	x	*(from Cell 5A)* **0.030**	=	***7C*** -
GROSS CONTRIBUTION TO LOCAL ECONOMY - EMPLOYMENT					***7D=7A+7B+7C*** -
Non-Attributable Local Revenue	*(from Cell 1B)* **$0**	x	*(from Cell 5A)* **0.030**	=	***7E*** -
NET EMPLOYMENT IMPACT					***7F=7D-7E*** -

MODULE EIGHT - LOCAL TAX IMPACTS

LOCAL TAX IMPACT	**Employment Effects** **person-years**	**Local Property Taxes Per Job** **dollars**	**Local Property Tax Impact** **dollars**
Gross Contribution to Local Economy	*(from Cell 7D)* **0.00**	**$1,811**	*8A* **$0**
Net Tax Impact	*(from Cell 7F)* **0.00**	**$1,811**	*8B* **$0**

MODULE NINE - IMPACT SUMMARY

	Direct & Indirect Effect	Induced Effect	Total Impact
LOCAL INCOME IMPACT (GDP)			
Gross Contribution to Local Economy	**$0**	**$0**	**$0**
Net Income Impact	**$0**	**$0**	**$0**
LOCAL EMPLOYMENT IMPACT (PERSON-YEARS)			
Gross Contribution to Local Economy	-	-	-
Net Employment Impact	-	-	-
LOCAL PROPERTY TAX IMPACT			
Gross Contribution to Local Economy	**$0**	**$0**	**$0**
Net Tax Impact	**$0**	**$0**	**$0**

LAM Model V1.1

The Local Area Model is comprised of Nine modules:

- Module 1 - Local Income
- Module 2 - Local Expenditures
- Module 3 - Local Employment
- Module 4 - Ancillary Expenditures
- Module 5 - Impact Multipliers
- Module 6 - Local Income Impact
- Module 7 - Local Employment Impact
- Module 8 - Local Tax Impacts
- Module 9 - Impact Summary

Model users must fill out the information requirements worksheet.
Results report the impact from expenditure increases in the local area.
Mandatory information has a yellow fill in column d.

To see the results from each module, either click on the appropriate tab,
or **print** the **entire workbook** from the **file** menu.

Module one is used only to determine net and gross effects, it discounts
local income due to local sources, so no actual "impact" from increases in income.

Quick Example:

- go to the "Required info" worksheet.
- type $1,000,000 into row 50, labelled 1.1b, Total wages and salaries: change - local employment

This represents an increase of one million dollars in wages and salaries received by local residents.

- go to Module nine

The results shown are representative of the "impact" to the local area with a general wage rate increase.

Notice there are no direct and indirect employment and municipal tax impacts. This is due to only a wage rate increase being imposed, thus the one million dollar direct impact.
The induced effects occur because the people in the local area spend their money, thus generating induced income, employment and municipal tax impacts.

	Local Revenues	**dollars**	**Non-Attributable Local Revenues**
1.2	**Corporate Profits**		
1.2a	present amount		
1.2b	change		0%
1.3	**Government Business Enterprise Profits**		
1.3a	present amount		
1.3b	change		
1.4	**Interest and other income**		
1.4a	present amount		
1.4b	change		50%
1.5	**Non-farm and unincorporated business income**		
1.5a	present amount		
1.5b	change		0%
1.6	**adjustment**		
1.71	**Indirect Taxes**		
1.71a	present amount		
1.71b	change		
1.73	**Subsidies**		
1.73a	present amount		
1.73b	change		
1.8	**Current Capital Account**		
1.8a	present amount		
1.8b	change		
1.9	**adjustment**		
1.10	**GDP for local area**		
1.10a	present amount	$700,000,000	28%
1.10b	change	$0	28%

Local Expenditures

		dollars	Local Workers per cent
1.1	**Total Wages and Salaries** (paid by employers, not incl benefits, taxes, other dues)		
1.1a	present amount	$406,365,905	100%
1.1b	change - local employment	$8,127,318	100%
1.1c	change - direct pipeline employment		100%
			Local Area Expenditure
2.1	**Expenditure on goods and services**		
2.1a	present amount	$264,137,838	70%
2.1b	change		30%
2.2	**Other expenditure** (capital spending and investment in inventories)		
2.2a	present amount		40%
2.2b	change		40%
2.3	**Municipal Spending** (not incl. debt servicing, and transfers to reserves)		
2.31	**General government services**		
2.31a	present amount	$5,626,300	100%
2.31b	change		100%
2.32	**Protective services**		
2.32a	present amount	$3,852,000	100%
2.32b	change		100%
2.33	**Transportation services**		
2.33a	present amount	$6,179,700	60%
2.33b	change		60%
2.34	**Environmental services**		
2.34a	present amount	$4,063,100	60%
2.34b	change		60%
2.35	**Public health services**		
2.35a	present amount	$117,200	80%
2.35b	change		80%
2.36	**Community development services**		
2.36a	present amount	$983,700	75%
2.36b	change		75%
2.37	**Recreation and cultural services**		
2.37a	before construction	$4,101,600	80%
2.37b	during/after construction		50%
2.4	**Municipal Property Tax** (by local residents and establishments)		
2.4a	present amount	$17,066,700	100%
2.4b	change		
2.4c	change - direct pipeline employment		100%
2.5	**adjustment**		0%
2.6	**GDP for local area**		
2.6a	present amount	$700,000,000	28%
2.6b	change	$0	26%

	Local Revenues	dollars	Non-Attributable Local Revenues
1.2	**Corporate Profits**		
1.2a	present amount		
1.2b	change		0%
1.3	**Government Business Enterprise Profits**		
1.3a	present amount		
1.3b	change		
1.4	**Interest and other income**		
1.4a	present amount		
1.4b	change		50%
1.5	**Non-farm and unincorporated business income**		
1.5a	present amount		
1.5b	change		0%
1.6	**adjustment**		
1.71	**Indirect Taxes**		
1.71a	present amount		
1.71b	change		
1.73	**Subsidies**		
1.73a	present amount		
1.73b	change		
1.8	**Current Capital Account**		
1.8a	present amount		
1.8b	change		
1.9	**adjustment**		
1.10	**GDP for local area**		
1.10a	present amount	$700,000,000	28%
1.10b	change	$0	28%

Local Expenditures

		dollars	Local Workers per cent
1.1	**Total Wages and Salaries** (paid by employers, not incl benefits, taxes, other dues)		
1.1a	present amount	$406,365,905	100%
1.1b	change - local employment	$8,127,318	100%
1.1c	change - direct pipeline employment		100%
			Local Area Expenditure
2.1	**Expenditure on goods and services**		
2.1a	present amount	$264,137,838	70%
2.1b	change		30%
2.2	**Other expenditure** (capital spending and investment in inventories)		
2.2a	present amount		40%
2.2b	change		40%
2.3	**Municipal Spending** (not incl. debt servicing, and transfers to reserves)		
2.31	**General government services**		
2.31a	present amount	$5,626,300	100%
2.31b	change		100%
2.32	**Protective services**		
2.32a	present amount	$3,852,000	100%
2.32b	change		100%
2.33	**Transportation services**		
2.33a	present amount	$6,179,700	60%
2.33b	change		60%
2.34	**Environmental services**		
2.34a	present amount	$4,063,100	60%
2.34b	change		60%
2.35	**Public health services**		
2.35a	present amount	$117,200	80%
2.35b	change		80%
2.36	**Community development services**		
2.36a	present amount	$983,700	75%
2.36b	change		75%
2.37	**Recreation and cultural services**		
2.37a	before construction	$4,101,600	80%
2.37b	during/after construction		50%
2.4	**Municipal Property Tax** (by local residents and establishments)		
2.4a	present amount	$17,068,700	100%
2.4b	change		
2.4c	change - direct pipeline employment		100%
2.5	**adjustment**		0%
2.6	**GDP for local area**		
2.6a	present amount	$700,000,000	28%
2.6b	change	$0	28%

	EMPLOYMENT	Hours number	Local Workers per cent
3.1	**Total Number of Paid Hours** (by local establishments)		
3.1a	present amount	16,816,500	100%
	Annual number of hours worked assumption	1,800	
3.1b	change		100%
	Annual number of hours worked assumption	1,800	
3.1c	change - direct pipeline employment		100%
	Annual number of hours worked assumption	1,200	
3.2	**Consultant and Contract Employees** - wages for this can be included with "Total wages and salaries"		
3.21	**Number of Consultant / Contract Employees**		
3.21a	present amount	-	50%
3.21b	change	-	50%
3.22	**Paid hours of Consultant/Contract Employees**		
3.22a	present amount	-	50%
	Annual number of hours worked assumption	1,800	
3.22b	change	-	50%
	Annual number of hours worked assumption	1,800	

	ANCILLARY EXPENDITURES	Total number	Local number
4.1	**Tourists - annual**		
4.1a	present amount	144,575	0
4.1b	change		
		Ancillary Expenditure dollars	
	Average Ancillary Spending (per person, per trip)		
4.2a	- Local Transportation		
4.2b	- Accommodation		
4.2c	- Meals (Restaurants)	$50.00	
4.2d	- Other		

	Multipliers - all numbered rows must be filled	**Income Multiplier**
5.1	**Local Income Multiplier**	1.28
	Select row 5.1 from below	
	Community Population:	**Income Multiplier**
	Less than 2,500	1.04
	2,501 to 5,000	1.07
	5,001 to 10,000	1.15
	10,000 to 25,000	1.28
	25,001 to 50,000	1.42
	50,001 to 100,000	1.58
	100,001 to 500,000	2.03
	More than 500,000	2.27

	EMPLOYMENT	Hours number	Local Workers per cent
3.1	**Total Number of Paid Hours** (by local establishments)		
3.1a	present amount	16,816,500	100%
	Annual number of hours worked assumption	1,800	
3.1b	change		100%
	Annual number of hours worked assumption	1,800	
3.1c	change - direct pipeline employment		100%
	Annual number of hours worked assumption	1,200	
3.2	**Consultant and Contract Employees** - wages for this can be included with "Total wages and salaries"		
3.21	**Number of Consultant / Contract Employees**		
3.21a	present amount	-	50%
3.21b	change	-	50%
3.22	**Paid hours of Consultant/Contract Employees**		
3.22a	present amount	-	50%
	Annual number of hours worked assumption	1,800	
3.22b	change	-	50%
	Annual number of hours worked assumption	1,800	

	ANCILLARY EXPENDITURES	Total number	Local number
4.1	**Tourists - annual**		
4.1a	present amount	144,575	0
4.1b	change		
		Ancillary Expenditure **dollars**	
	Average Ancillary Spending (per person, per trip)		
4.2a	- Local Transportation		
4.2b	- Accommodation		
4.2c	- Meals (Restaurants)	$50.00	
4.2d	- Other		

	Multipliers - all numbered rows must be filled	**Income Multiplier**
5.1	**Local Income Multiplier**	1.28
	Select row 5.1 from below	
	Community Population:	**Income Multiplier**
	Less than 2,500	1.04
	2,501 to 5,000	1.07
	5,001 to 10,000	1.15
	10,000 to 25,000	1.28
	25,001 to 50,000	1.42
	50,001 to 100,000	1.58
	100,001 to 500,000	2.03
	More than 500,000	2.27

MODULE ONE - LOCAL INCOME

		All Income		Income from Local Sources		
	Local Income	dollars		per cent		dollars
1.2	**Corporate Profits**					
1.2a	present amount	$0	x	0%	=	$0
1.2b	change	$0	x	0%	=	$0
1.3	**Government Business Enterprise Profits**					
1.3a	present amount	$0	x	0%	=	$0
1.3b	change	$0	x	0%	=	$0
1.4	**Interest and other income**					
1.4a	present amount	$0	x	0%	=	$0
1.4b	change	$0	x	50%	=	$0
1.5	**Non-farm and unincorporated business income**					
1.5a	present amount	$0	x	0%	=	$0
1.5b	change	$0	x	0%	=	$0
1.6	**adjustment**	$0	x	0%	=	$0
1.71	**Indirect Taxes**					
1.71a	present amount	$0	x	0%	=	$0
1.71b	change	$0	x	0%	=	$0
1.73	**Subsidies**					
1.73a	present amount	$0	x	0%	=	$0
1.73b	change	$0	x	0%	=	$0
1.8	**Current Capital Account**					
1.8a	present amount	$0	x	0%	=	$0
1.8b	change	$0	x	0%	=	$0
1.9	**adjustment**	$0	x	0%	=	$0
1.10	**GDP for local area**					
1.10a	present amount	$700,000,000				
1.10b	change	$0				
		1A				*1B*
1.1c	**Local Impact**	$0				$0

MODULE TWO - LOCAL EXPENDITURES

	EXPENDITURES	All Expenditures dollars		Local Expenditures per cent		Local Expenditures dollars
1.1	**Total Wages and Salaries (paid by employers, not incl benefits, taxes, other dues)**					
1.1a	present amount	$406,365,905	x	100%	=	$406,365,905
1.1b	change - local employment	$8,127,318	x	100%	=	$8,127,318
1.1c	change - direct pipeline employment	$0	x	100%	=	$0
2.1	**Expenditure on goods and services**					
2.1a	present amount	$264,137,838	x	70%	=	$184,896,487
2.1b	change	$0	x	30%	=	$0
2.2	**Other expenditure (capital spending and investment in inventories)**					
2.2a	present amount	$0	x	40%	=	$0
2.2b	change	$0	x	40%	=	$0
2.3	**Municipal Spending (not incl. debt servicing, and transfers to reserves)**					
2.31	**General government services**					
2.31a	present amount	$5,626,300	x	100%	=	$5,626,300
2.31b	change	$0	x	100%	=	$0
2.32	**Protective services**					
2.32a	present amount	$3,852,000	x	100%	=	$3,852,000
2.32b	change	$0	x	100%	=	$0
2.33	**Transportation services**					
2.33a	present amount	$6,179,700	x	60%	=	$3,707,820
2.33b	change	$0	x	60%	=	$0
2.34	**Environmental services**					
2.34a	present amount	$4,063,100	x	60%	=	$2,437,860
2.34b	change	$0	x	60%	=	$0
2.35	**Public health services**					
2.35a	present amount	$117,200	x	80%	=	$93,760
2.35b	change	$0	x	80%	=	$0
2.36	**Community development services**					
2.36a	present amount	$983,700	x	75%	=	$737,775

2.36b	change	$0	x	75%	=	$0
2.37	**Recreation and cultural services**					
2.37a	before construction	$4,101,600	x	80%	=	$3,281,280
2.37b	during/after construction	$0	x	50%	=	$0
2.4	**Municipal Property Tax (by local residents and establishments)**					
2.4a	present amount	$17,068,700	x	100%	=	$17,068,700
2.4b	change	$0	x	0%	=	$0
2.4c	change - direct pipeline employment	$0	x	100%	=	$0
2.5	**adjustment**	$0	x	0%	=	$0
2.6	**GDP for local area**					
2.6a	present amount	$700,000,000				
2.6b	change	$0				
		2A				*2B*
	TOTAL LOCAL NON-LABOUR EXPENDITURE IMPACT	$0				$0
		2C				2D
	TOTAL LOCAL LABOUR EXPENDITURE IMPACT	$8,127,318				$8,127,318

MODULE THREE - LOCAL EMPLOYMENT

		Hours	Local Workers	
	EMPLOYMENT	number	per cent	hours
3.1	**Total Number of Paid Hours** (by local establishments)			
3.1a	present amount	16,816,500	100%	16,816,500
3.1b	change	-	100%	-
3.1c	change - direct pipeline employment	-	100%	-
				number
		3A		3B
	NUMBER OF EMPLOYEE PERSON-YEARS IMPACT	0.00		0.00
3.2	**Consultant and Contract Employees**			
3.22	Paid hours of Consultant/Contract Employees			
3.22a	present amount	-	50%	-
3.22b	change	-	50%	-
				number
		3C		3D
	CONTRACTOR PERSON-YEARS IMPACT	0.00		0.00

MODULE FOUR - ANCILLARY EXPENDITURES

		All Attendees		Non-Local Attendees		
	ANCILLARY EXPENDITURES	**number**		**per cent** (10% = 0.1)		**number**
		4A				*4B*
4.1	**Tourists - annual**					
4.1a	present amount	**144,575**	**x**	**100%**	**=**	**144,575**
4.1b	change	**-**	**x**	**100%**	**=**	**-**
		4A				*4B*
4.1c	**Tourist Impact**	**-**				**-**
						Ancillary Expenditure **dollars**
	Average Ancillary Spending					
4.2a	- Local Transportation					**$0.00**
4.2b	- Accommodation					**$0.00**
4.2c	- Meals (Restaurants)					**$50.00**
4.2d	- Other					**$0.00**
						4C
4.2	**Total Average Ancillary Spending**					**$50**
						4D=4Bx4C
	GROSS ANCILLARY SPENDING IMPACT					**$0**
						4E
	LOCAL ANCILLARY EXPENDITURE IMPACT					**$0**

MODULE FIVE - IMPACT MULTIPLIERS

		Income Multiplier
5.1	**Local Income Multiplier**	**1.28**
	Community Population:	**Income Multiplier**
	Less than 2,500	**1.04**
	2,501 to 5,000	**1.07**
	5,001 to 10,000	**1.15**
	10,000 to 25,000	**1.28**
	25,001 to 50,000	**1.42**
	50,001 to 100,000	**1.58**
	100,001 to 500,000	**2.03**
	More than 500,000	**2.27**
5.2	**Local Earnings per Local Full-Time Equivalent Employment**	
5.2a	All other employment	**$853**
5.2b	Direct Pipeline employment	**$0**
	Local Employment Impact Coefficients	***5A***
	- Pipeline Person-Years per $1000 of Expenditure during event	**0.025**
		5B
	- Person-Years per $1000 of Expenditure during event	**0.029**
	Local Non-Labour Employment Impact Coefficient	**5C**
	- Person-Years per $1000 of Expenditure	**0.029**
5.3	**Local Tax Coefficient (Local Property Taxes per FTE Job, residential and non-residential)**	
5.3a	All other employment	**$1,827**
5.3b	Direct Pipeline employment	**$0**

MODULE SIX - LOCAL INCOME IMPACT

LOCAL INCOME IMPACT	**Direct & Indirect Effects dollars**		**Local Income Multiplier**		**Direct, Indirect & Induced Effects dollars**
Total Local Labour Income Impact	*(from Cell 2C)* **$8,127,318**	x	**1.28**	=	*6A* **$10,402,967**
Total Non-Labour Local Income Impact	**$0**	x	**1.28**	=	*6B* **$0**
Local Ancillary Expenditure Impact	*(from Cell 4E)* **$0**	x	**1.28**	=	*6C* **$0**
GROSS CONTRIBUTION TO LOCAL ECONOMY - GDP					*6D=6A+6B+6C* **$10,402,967**
Non-Attributable Local Revenue	*(from Cell 1B)* **$0**	x	**1.28**	=	*6E* **$0**
NET GDP IMPACT					*6F=6D-6E* **$10,402,967**

MODULE SEVEN - LOCAL EMPLOYMENT IMPACT

LOCAL EMPLOYMENT IMPACT	Direct & Indirect Effects dollars		Local Employment Coefficient		Direct, Indirect & Induced Effects person-years
Total Local Labour Expenditure Impact			*(from Cell 5A)*		*7A*
	$0	x	0.025	=	-
	$8,127,318	x	0.029	=	234.48
Local Ancillary Expenditure Impact	*(from Cell 4E)* $0	x	*(from Cell 5A)* 0.029	=	*7B* -
Total Local Non-Labour Expenditure Impact	$0	x	*(from Cell 5A)* 0.029	=	*7C* -
GROSS CONTRIBUTION TO LOCAL ECONOMY - EMPLOYMENT					*7D=7A+7B+7C* 234.48
Non-Attributable Local Revenue	*(from Cell 1B)* $0	x	*(from Cell 5A)* 0.029	=	*7E* -
NET EMPLOYMENT IMPACT					*7F=7D-7E* 234.48

MODULE EIGHT - LOCAL TAX IMPACTS

LOCAL TAX IMPACT	**Employment Effects** **person-years**	**Local Property Taxes Per Job** **dollars**	**Local Property Tax Impact** **dollars**
Gross Contribution to Local Economy	*(from Cell 7D)* **51.29**	**$1,827**	***8A*** **$93,711**
Net Tax Impact	*(from Cell 7F)* **51.29**	**$1,827**	***8B*** **$93,711**

MODULE NINE - IMPACT SUMMARY

	Direct & Indirect Effect	Induced Effect	Total Impact
LOCAL INCOME IMPACT (GDP)			
Gross Contribution to Local Economy	$8,127,318	$2,275,649	$10,402,967
Net Income Impact	$8,127,318	$2,275,649	$10,402,967
LOCAL EMPLOYMENT IMPACT (PERSON-YEARS)			
Gross Contribution to Local Economy	-	51.29	51.29
Net Employment Impact	-	51.29	51.29
LOCAL PROPERTY TAX IMPACT			
Gross Contribution to Local Economy	$0	$93,711	$93,711
Net Tax Impact	$0	$93,711	$93,711

	Scenario 1			Scenario 2			
YUKON	**2002-07**	**2008-12**	**2013-25**	**2002-07**	**2008-12**	**2013-25**	**2002-07**
	Average Impact			**Average Impact**			
TOTAL	**2609**	**762**	**1007**	**3271**	**1698**	**1527**	**20.3**
MANAGERIAL, ADMINISTRATIVE & RELATED	286	89	135	366	174	106	15.9
NATURAL SCIENCES, ENGINEERING & MATHEMATICS	114	48	83	132	27	-51	18.0
OCCUPATIONS IN SOCIAL SCIENCES & RELATED	34	6	14	40	-2	-27	8.8
RELIGION	0	0	0	0	0	0	2.4
TEACHING & RELATED	3	3	4	4	4	2	0.4
MEDICINE & HEALTH	5	5	7	9	13	16	1.4
ARTISTIC, LITERARY, RECREATIONAL & RELATED	21	6	18	36	21	5	13.8
CLERICAL & RELATED	320	123	181	432	262	203	13.9
SALES	95	77	117	199	273	357	11.0
SERVICE	198	86	173	370	362	407	9.4
FARMING, HORTICULTURAL & ANIMAL HUSBANDRY	67	9	5	70	15	10	46.7
FISHING, TRAPPING & RELATED	0	0	0	0	0	0	0.4
FORESTRY & LOGGING	2	0	0	3	1	0	11.3
MINING & QUARRYING INCLUDING OIL & GAS FIELD	9	5	6	9	5	5	4.4
PROCESSING	16	9	13	26	27	34	12.8
MACHINING & RELATED	52	10	8	55	13	10	40.5
PRODUCT FABRICATING, ASSEMBLING & REPAIRING	118	48	58	157	119	135	23.9
CONSTRUCTION TRADES	1091	150	77	1128	206	129	77.5
TRANSPORT EQUIPMENT OPERATING	76	39	44	104	94	101	11.6
MATERIAL HANDLING & RELATED, N.E.C.	23	9	12	31	22	22	18.5
OTHER CRAFTS & EQUIPMENT OPERATING	25	23	33	38	38	40	23.7
OCCUPATIONS NEC	55	17	19	63	27	21	25.7

Scenario 1		Scenario 2		
2008-12	**2013-25**	**2002-07**	**2008-12**	**2013-25**
Percentage Impact		**Average Percentage Impact**		
5.9	**7.8**	**25.5**	**13.0**	**11.9**
4.9	7.5	20.4	9.6	5.9
7.4	12.7	20.8	4.1	-7.8
1.6	3.5	10.4	-0.5	-6.6
1.0	1.9	3.8	2.8	2.5
0.4	0.6	0.6	0.6	0.3
1.3	2.1	2.8	3.7	4.8
3.9	11.3	23.8	13.5	3.5
5.3	7.9	18.8	11.4	8.9
9.2	14.9	23.1	32.7	45.5
4.2	8.7	17.6	17.8	20.5
6.2	3.5	49.1	9.7	7.0
0.1	0.0	0.5	0.4	0.1
1.6	1.0	12.0	2.4	1.4
2.7	4.0	4.6	2.7	3.5
7.3	11.1	20.5	21.3	28.7
7.1	5.8	42.9	9.5	7.1
9.5	11.7	31.8	23.7	27.4
9.7	4.8	80.1	13.2	8.1
5.9	6.6	15.8	14.1	15.0
7.3	9.7	24.7	17.2	17.7
20.7	30.1	35.3	34.3	36.9
7.4	8.6	29.3	12.0	9.6

	2002-07	2008-2012	2013-25	2000	2001	2002
DEBT: Average Employment						
Managerial & Admin.	286	89	135	0	0	26
Nat. Sciences & Eng.	114	48	83	0	0	18
Clerical	320	123	181	0	0	38
Sales	95	77	117	0	0	19
Service	198	86	173	0	0	39
Farming	67	9	5	0	0	0
Machining	52	10	8	0	0	0
Fabricating, Assembling, Repairs	118	48	58	0	0	7
Construction	1091	150	77	0	0	2
Transport Equip. Operators	76	39	44	0	0	6
GOVT: Average Employment						
Managerial & Admin.	366	174	106	0	0	32
Nat. Sciences & Eng.	132	27	-51	0	0	19
Clerical	432	262	203	0	0	46
Sales	199	273	357	0	0	27
Service	370	362	407	0	0	52
Farming	70	15	10	0	0	1
Machining	55	13	10	0	0	1
Fabricating, Assembling, Repairs	157	119	135	0	0	10
Construction	1128	206	129	0	0	2
Transport Equip. Operators	104	94	101	0	0	8
DEBT: Percentage Impact						
Managerial & Admin.	16	5	8	0	0	1
Nat. Sciences & Eng.	18	7	13	0	0	3
Clerical	14	5	8	0	0	2
Sales	11	9	15	0	0	2
Service	9	4	9	0	0	2
Farming	47	6	3	0	0	0
Machining	41	7	6	0	0	0
Fabricating, Assembling, Repairs	24	10	12	0	0	2
Construction	77	10	5	0	0	0
Transport Equip. Operators	12	6	7	0	0	1
GOVT: Percentage Impact						
Managerial & Admin.	20	10	6	0	0	2
Nat. Sciences & Eng.	21	4	-8	0	0	3
Clerical	19	11	9	0	0	2
Sales	23	33	46	0	0	3
Service	18	18	21	0	0	2
Farming	49	10	7	0	0	0
Machining	43	10	7	0	0	0
Fabricating, Assembling, Repairs	32	24	27	0	0	2
Construction	80	13	8	0	0	0
Transport Equip. Operators	16	14	15	0	0	1

2003	2004	2005	2006	2007	2008	2009	2010	2011
32	123	385	748	402	103	106	94	72
20	50	148	291	155	49	52	50	43
46	145	434	809	446	145	145	130	99
24	55	139	199	133	90	85	80	65
49	115	295	448	241	122	103	83	58
1	23	86	191	102	10	13	11	8
1	18	66	147	79	10	13	11	8
9	48	156	309	178	55	57	51	40
2	367	1390	3118	1664	160	211	176	126
8	36	108	187	110	50	49	42	29
50	154	470	908	581	215	206	188	139
26	57	168	328	192	54	45	32	7
73	188	551	1034	702	317	306	281	215
48	94	246	406	374	284	289	286	256
89	180	468	788	642	432	407	370	309
1	24	90	197	109	13	15	17	14
1	19	70	153	86	13	14	15	12
18	63	196	386	269	125	127	126	110
4	382	1442	3195	1745	171	205	243	211
13	46	135	242	178	108	106	98	81
2	7	21	41	22	6	6	5	4
3	8	23	46	24	8	8	8	7
2	6	19	35	19	6	6	6	4
3	6	16	23	15	11	10	10	8
2	5	14	21	11	6	5	4	3
0	16	59	131	68	7	9	7	5
0	14	51	112	59	8	9	8	6
2	10	31	61	35	11	11	10	8
0	26	96	213	108	10	14	11	8
1	5	16	28	16	7	7	6	4
3	9	26	50	32	12	11	10	8
4	9	26	51	30	8	7	5	1
3	8	24	45	30	14	13	12	9
6	11	28	47	43	33	34	34	31
4	9	22	37	31	21	20	18	15
1	17	62	136	73	9	10	11	10
1	15	54	117	64	9	10	11	9
4	13	39	77	53	25	25	25	22
0	27	100	218	113	11	13	16	14
2	7	21	37	27	16	16	15	12

2012	2013	2014	2015	2016	2017	2018	2019	2020
69	82	96	112	124	131	138	147	155
47	57	66	75	81	84	87	91	95
96	112	130	151	166	174	183	195	206
65	73	80	92	100	105	111	120	127
64	84	104	131	150	161	175	190	201
5	4	4	4	5	5	5	5	6
6	6	7	7	7	8	8	8	8
37	39	42	47	51	53	56	60	63
78	64	66	69	72	74	76	78	80
25	26	29	34	37	40	43	47	50
121	100	98	100	104	105	110	118	127
-4	-12	-17	-20	-23	-27	-31	-34	-38
193	173	171	176	184	187	198	212	229
252	256	262	273	287	298	316	339	368
290	291	298	314	335	348	371	401	435
14	8	8	8	9	9	9	10	11
11	8	8	8	9	9	9	10	10
107	101	102	106	112	116	123	131	141
199	97	100	104	109	113	119	126	133
75	70	72	76	81	85	92	100	108
4	5	5	6	7	7	8	8	9
7	9	10	12	12	13	14	14	15
4	5	6	7	7	8	8	9	9
8	9	10	12	13	13	14	15	16
3	4	5	7	7	8	9	10	10
3	3	3	3	3	3	3	4	4
5	5	5	5	6	6	6	6	6
7	8	9	10	10	11	11	12	13
5	4	4	4	5	5	5	5	5
4	4	4	5	6	6	6	7	8
7	6	5	6	6	6	6	7	7
-1	-2	-3	-3	-4	-4	-5	-5	-6
8	8	8	8	8	8	9	9	10
31	32	33	35	37	38	40	43	47
14	14	15	16	17	17	19	20	22
9	5	5	5	6	6	6	7	7
8	6	6	6	7	7	7	7	8
21	20	21	22	23	24	25	27	29
13	6	6	7	7	7	8	8	8
11	11	11	11	12	13	14	15	16

2021	2022	2023	2024	2025
160	158	155	150	152
95	93	90	82	77
212	210	205	201	206
134	137	137	147	162
209	209	210	210	218
6	6	6	6	6
8	8	8	8	8
66	66	66	68	73
81	82	83	86	89
53	53	53	54	56
131	131	93	95	71
-46	-60	-100	-109	-144
241	247	203	218	197
397	427	435	476	509
466	495	497	517	526
12	12	13	13	14
11	11	11	11	10
151	160	161	171	178
141	149	154	163	170
116	123	123	129	132
9	9	9	8	8
15	14	14	12	12
9	9	9	9	9
17	18	18	19	21
11	11	11	11	11
4	4	4	4	4
6	6	6	6	6
13	13	13	14	15
5	5	5	5	5
8	8	8	8	8
7	7	5	5	4
-7	-9	-15	-17	-22
11	11	9	9	9
51	55	56	61	66
23	25	25	27	27
8	8	8	9	9
8	8	8	8	7
31	32	32	34	36
9	9	9	10	10
17	18	18	19	19

	2002-07	2008-2012	2013-25	2000	2001	2002
DEBT: Average Employment						
Managerial & Admin.	286	89	135	184	35	0
Nat. Sciences & Eng.	114	48	83	51	32	0
Social Sciences	34	6	14	3	5	0
Religion	0	0	0	0	0	0
Teaching	3	3	4	3	4	0
Medicine & Health	5	5	7	3	5	0
Artistic, Literary, Recreational	21	6	18	5	1	0
Clerical	320	123	181	177	43	0
Sales	95	77	117	39	17	0
Service	198	86	173	27	14	0
Farming	67	9	5	63	1	0
Fishing & Trapping	0	0	0	0	-1	0
Forestry	2	0	0	2	0	0
Mining	9	5	6	9	5	0
Processing	16	9	13	11	5	0
Machining	52	10	8	48	4	0
Fabricating, Assembling, Repairs	118	48	58	89	14	0
Construction	1091	150	77	1043	27	0
Transport Equip. Operators	76	39	44	38	4	0
Material Handling	23	9	12	16	2	0
Other Crafts & Equip.	25	23	33	11	17	0
N.E.C.	55	17	19	47	8	0
DEBT: Average Employment						
Managerial & Admin.	366	174	106	184	35	0
Nat. Sciences & Eng.	132	27	-51	51	32	0
Social Sciences	40	-2	-27	3	5	0
Religion	0	0	0	0	0	0
Teaching	4	4	2	3	4	0
Medicine & Health	9	13	16	3	5	0
Artistic, Literary, Recreational	36	21	5	5	1	0
Clerical	432	262	203	177	43	0
Sales	199	273	357	39	17	0
Service	370	362	407	27	14	0
Farming	70	15	10	63	1	0
Fishing & Trapping	0	0	0	0	-1	0
Forestry	3	1	0	2	0	0
Mining	9	5	5	9	5	0
Processing	26	27	34	11	5	0
Machining	55	13	10	48	4	0
Fabricating, Assembling, Repairs	157	119	135	89	14	0
Construction	1128	206	129	1043	27	0
Transport Equip. Operators	104	94	101	38	4	0
Material Handling	31	22	22	16	2	0
Other Crafts & Equip.	38	38	40	11	17	0
N.E.C.	63	27	21	47	8	0

2003	2004	2005	2006	2007	2008	2009	2010	2011
0	26	32	123	385	748	402	103	106
0	18	20	50	148	291	155	49	52
0	9	10	17	45	82	41	10	8
0	0	0	0	0	0	0	0	0
0	0	1	2	4	5	4	3	3
0	1	1	3	7	10	7	5	5
0	3	4	12	33	49	23	8	8
0	38	46	145	434	809	446	145	145
0	19	24	55	139	199	133	90	85
0	39	49	115	295	448	241	122	103
0	0	1	23	86	191	102	10	13
0	0	0	0	0	0	0	0	0
0	0	0	1	3	6	3	0	0
0	0	0	3	11	25	15	4	5
0	2	2	8	22	40	23	10	10
0	0	1	18	66	147	79	10	13
0	7	9	48	156	309	178	55	57
0	2	2	367	1390	3118	1664	160	211
0	6	8	36	108	187	110	50	49
0	2	2	10	32	60	34	11	11
0	3	4	13	36	61	35	22	24
0	2	2	21	72	152	83	17	20
0	32	50	154	470	908	581	215	206
0	19	26	57	168	328	192	54	45
0	9	13	19	51	95	53	11	6
0	0	0	0	0	0	0	0	0
0	0	1	2	5	8	6	5	5
0	1	2	5	11	18	17	13	13
0	4	8	18	49	80	56	30	28
0	46	73	188	551	1034	702	317	306
0	27	48	94	246	406	374	284	289
0	52	89	180	468	788	642	432	407
0	1	1	24	90	197	109	13	15
0	0	0	0	0	0	0	0	0
0	0	0	1	3	7	4	1	1
0	0	0	3	11	26	16	4	5
0	3	5	11	32	59	46	28	28
0	1	1	19	70	153	86	13	14
0	10	18	63	196	386	269	125	127
0	2	4	382	1442	3195	1745	171	205
0	8	13	46	135	242	178	108	106
0	2	4	13	40	75	52	24	24
0	4	7	18	49	86	64	41	41
0	2	4	24	80	168	101	28	29

2012	2013	2014	2015	2016	2017	2018	2019	2020
94	72	69	82	96	112	124	131	138
50	43	47	57	66	75	81	84	87
6	3	4	7	10	13	15	16	16
0	0	0	0	0	0	0	0	0
3	2	2	3	3	3	3	4	4
5	4	4	5	5	6	6	6	7
6	3	4	7	10	13	15	17	18
130	99	96	112	130	151	166	174	183
80	65	65	73	80	92	100	105	111
83	58	64	84	104	131	150	161	175
11	8	5	4	4	4	5	5	5
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
5	5	5	5	6	6	6	6	6
10	8	8	9	10	11	12	12	13
11	8	6	6	7	7	7	8	8
51	40	37	39	42	47	51	53	56
176	126	78	64	66	69	72	74	76
42	29	25	26	29	34	37	40	43
10	8	7	8	9	10	11	11	12
24	22	23	26	29	31	32	32	33
18	15	13	14	15	17	18	18	19
188	139	121	100	98	100	104	105	110
32	7	-4	-12	-17	-20	-23	-27	-31
-1	-11	-15	-17	-18	-19	-20	-21	-21
0	0	0	0	0	0	0	0	0
4	3	3	3	2	2	2	2	2
13	12	12	12	12	13	13	14	14
23	14	10	9	8	8	8	8	8
281	215	193	173	171	176	184	187	198
286	256	252	256	262	273	287	298	316
370	309	290	291	298	314	335	348	371
17	14	14	8	8	8	9	9	9
0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0
5	5	5	5	5	5	5	5	5
28	25	25	25	26	27	28	29	31
15	12	11	8	8	8	9	9	9
126	110	107	101	102	106	112	116	123
243	211	199	97	100	104	109	113	119
98	81	75	70	72	76	81	85	92
23	20	18	17	17	18	19	20	21
39	34	33	34	35	35	36	37	39
29	24	23	19	19	19	20	20	21

2021	2022	2023	2024	2025		
					DEBT: Average Emplo	
147	155	160	158	155	152	0
91	95	95	93	90	77	0
17	18	18	16	15		
0	0	0	0	0		
4	4	4	4	4		
7	8	8	8	8		
20	22	23	23	22		
195	206	212	210	205	206	0
120	127	134	137	137	162	0
190	201	209	209	210	218	0
5	6	6	6	6	6	0
0	0	0	0	0		
0	0	0	0	0		
6	6	6	6	6		
14	14	15	15	15		
8	8	8	8	8	8	0
60	63	66	66	66	73	0
78	80	81	82	83	89	0
47	50	53	53	53	56	0
13	14	14	14	14		
34	35	36	35	35		
20	21	21	21	21		
					GOVT: Average Emplo	
118	127	131	131	93	71	0
-34	-38	-46	-60	-100	-144	0
-22	-22	-24	-28	-43	197	0
0	0	0	0	0	509	0
2	2	2	2	1	526	0
15	17	18	19	19	14	0
9	9	9	7	-1	10	0
212	229	241	247	203	178	0
339	368	397	427	435	170	0
401	435	466	495	497	132	0
10	11	12	12	13		
0	0	0	0	0	**DEBT: Percentage Imp**	
0	0	0	0	0	15.94	4.892
5	5	5	5	5	18.002	7.403
33	36	38	41	41	13.926	5.33
10	10	11	11	11	10.995	9.207
131	141	151	160	161	9.434	4.237
126	133	141	149	154	46.74	6.178
100	108	116	123	123	40.532	7.11
22	24	25	27	26	23.919	9.548
40	43	45	46	43	77.459	9.664
22	23	24	24	22	11.55	5.854
					GOVT: Percentage Imp	
					20.39	9.571

	2002-07	2008-2012	2013-25
ment			
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	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0
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	1	0	0
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	8	0	0
	13	0	0
	8	0	0
	15	0	0
	9	0	0
	3	0	0
	6	0	0
	12	0	0
	5	0	0
	7	0	0
act			
	6	0	0

20.829	4.136
18.846	11.367
23.11	32.677
17.638	17.801
49.087	9.707
42.871	9.533
31.794	23.689
80.133	13.235
15.784	14.05

-8	0	0
9	0	0
46	0	0
21	0	0
7	0	0
7	0	0
27	0	0
8	0	0
15	0	0

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Yukon Occupation Base	2002-10	2011-25	2000	2001	2002	2003	2004	2005	2006
	Average Impact								
TOTAL	0	0	0	0	0	0	0	0	0
MANAGERIAL, ADMINISTRATIVE & RELATED	0	0	0	0	0	0	0	0	0
Officials & Administrators Unique to Government	0	0	0	0	0	0	0	0	0
Gov't administrators	0	0	0	0	0	0	0	0	0
Post office mgmt	0	0	0	0	0	0	0	0	0
Inspectors & regulatory officers, gov't	0	0	0	0	0	0	0	0	0
Officials & admin unique to gov't, nec	0	0	0	0	0	0	0	0	0
Other Managers & Administrators	0	0	0	0	0	0	0	0	0
General mgrs & oth senior officials	0	0	0	0	0	0	0	0	0
Mgmt occs, nat sciences & engineering	0	0	0	0	0	0	0	0	0
Mgmt occs, soc sciences & rltd fields	0	0	0	0	0	0	0	0	0
Administrators in teaching&rltd fields	0	0	0	0	0	0	0	0	0
Administrators in medicine & health	0	0	0	0	0	0	0	0	0
Financial mgmt	0	0	0	0	0	0	0	0	0
Personnel & indust relations mgmt occs	0	0	0	0	0	0	0	0	0
Sales & advertising mgmt	0	0	0	0	0	0	0	0	0
Purchasing mgmt	0	0	0	0	0	0	0	0	0
Services mgmt	0	0	0	0	0	0	0	0	0
Production mgmt	0	0	0	0	0	0	0	0	0
Mgmt, construction operations	0	0	0	0	0	0	0	0	0
Farm mgmt	0	0	0	0	0	0	0	0	0
Mgmt occs, transport&communic operation	0	0	0	0	0	0	0	0	0
Oths managers	0	0	0	0	0	0	0	0	0
Occupations Related to Management & Administration	0	0	0	0	0	0	0	0	0
Accountants, auditors&oth fin officers	0	0	0	0	0	0	0	0	0
Organization & methods analysts	0	0	0	0	0	0	0	0	0
Personnel & rltd officers	0	0	0	0	0	0	0	0	0
Purchasing officers & buyers, ex w/sale & retail trade	0	0	0	0	0	0	0	0	0
Inspectors & regulatory officers, nec	0	0	0	0	0	0	0	0	0
Occs rltd to mgmt & administration, nec	0	0	0	0	0	0	0	0	0
Yukon Occupation Base	**2002-10**	**2011-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**
	Average Impact								

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2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
					Impact												
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
					Impact												

2025

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Yukon Occupation Base	**2002-10**	**2011-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**
NATURAL SCIENCES, ENGINEERING & MATHEMATICS	0	0	0	0	0	0	0	0	0
Occupations in Physical Sciences	0	0	0	0	0	0	0	0	0
Chemists	0	0	0	0	0	0	0	0	0
Geologists	0	0	0	0	0	0	0	0	0
Physicists	0	0	0	0	0	0	0	0	0
Meteorologists	0	0	0	0	0	0	0	0	0
Phys science technologists&technicians	0	0	0	0	0	0	0	0	0
Physical sciences, nec	0	0	0	0	0	0	0	0	0
Occupations in Life Sciences	0	0	0	0	0	0	0	0	0
Agriculturists & rltd scientists	0	0	0	0	0	0	0	0	0
Biologists & rltd scientists	0	0	0	0	0	0	0	0	0
Life science technologists&technicians	0	0	0	0	0	0	0	0	0
Life sciences, nec	0	0	0	0	0	0	0	0	0
Architects, Engineers & Community Planners	0	0	0	0	0	0	0	0	0
Architects	0	0	0	0	0	0	0	0	0
Chemical engineers	0	0	0	0	0	0	0	0	0
Civil engineers	0	0	0	0	0	0	0	0	0
Electrical engineers	0	0	0	0	0	0	0	0	0
Industrial engineers	0	0	0	0	0	0	0	0	0
Agricultural engineers	0	0	0	0	0	0	0	0	0
Mechanical engineers	0	0	0	0	0	0	0	0	0
Metallurgical engineers	0	0	0	0	0	0	0	0	0
Mining engineers	0	0	0	0	0	0	0	0	0
Petroleum engineers	0	0	0	0	0	0	0	0	0
Aerospace engineers	0	0	0	0	0	0	0	0	0
Nuclear engineers	0	0	0	0	0	0	0	0	0
Community planners	0	0	0	0	0	0	0	0	0
Professional engineers, nec	0	0	0	0	0	0	0	0	0
Other Occupations in Architecture & Engineering	0	0	0	0	0	0	0	0	0
Supervisors:oth occs in arch & engineer	0	0	0	0	0	0	0	0	0
Surveyors	0	0	0	0	0	0	0	0	0
Draughting	0	0	0	0	0	0	0	0	0
Architectural technologist & technician	0	0	0	0	0	0	0	0	0
Engineering technologists & technicians	0	0	0	0	0	0	0	0	0
Oth occs in architecture&engineer, nec	0	0	0	0	0	0	0	0	0
Occupations in Mathematics, Statistics, Systems Analysis & Related Fields	0	0	0	0	0	0	0	0	0
Mathematician, statistician & actuaries	0	0	0	0	0	0	0	0	0
Systems analysts, computer programmers	0	0	0	0	0	0	0	0	0
Occs in math,stats,syst anal etc, nec	0	0	0	0	0	0	0	0	0

2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Average Impact

OCCUPATIONS IN SOCIAL SCIENCES & RELATED	0	0	0	0	0	0	0	0	0
Occupations in Social Sciences	0	0	0	0	0	0	0	0	0
Economists	0	0	0	0	0	0	0	0	0
Sociologists, anthropologists & rltd	0	0	0	0	0	0	0	0	0
Psychologists	0	0	0	0	0	0	0	0	0
Social sciences, nec	0	0	0	0	0	0	0	0	0
Occupations in Social Work & Related Fields	0	0	0	0	0	0	0	0	0
Social workers	0	0	0	0	0	0	0	0	0
Welfare & community services	0	0	0	0	0	0	0	0	0
Social work & rltd fields, nec	0	0	0	0	0	0	0	0	0
Occupations in Law & Jurisprudence	0	0	0	0	0	0	0	0	0
Judges & magistrates	0	0	0	0	0	0	0	0	0
Lawyers & notaries	0	0	0	0	0	0	0	0	0
Law & jurisprudence, nec	0	0	0	0	0	0	0	0	0
Occupations in Library, Museum & Archival Sciences	0	0	0	0	0	0	0	0	0
Supervisors:library, museum&archiv sci	0	0	0	0	0	0	0	0	0
Librarians, archivists & conservators	0	0	0	0	0	0	0	0	0
Technicians in lib, museum&archivl sci	0	0	0	0	0	0	0	0	0
Library, museum & archival science, nec	0	0	0	0	0	0	0	0	0
Other Occupations in Social Sciences & Related Fields	0	0	0	0	0	0	0	0	0
Educational & vocational counsellors	0	0	0	0	0	0	0	0	0
Oth occs in soc sci& rltd fields, nec	0	0	0	0	0	0	0	0	0
RELIGION	0	0	0	0	0	0	0	0	0
Ministers of religion	0	0	0	0	0	0	0	0	0
Nuns & brothers	0	0	0	0	0	0	0	0	0
Religion, nec	0	0	0	0	0	0	0	0	0
TEACHING & RELATED	0	0	0	0	0	0	0	0	0
University Teaching & Rltd Occupations	0	0	0	0	0	0	0	0	0
University teachers	0	0	0	0	0	0	0	0	0
University teaching & rltd, nec	0	0	0	0	0	0	0	0	0
Elementary & Secondary School Teaching & Related Occupations	0	0	0	0	0	0	0	0	0
Elementary & kindergarten teachers	0	0	0	0	0	0	0	0	0
Secondary school teachers	0	0	0	0	0	0	0	0	0

Impact

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Elem&secondry school teach&rltd occs,ne	0	0	0	0	0	0	0	0	0

Yukon Occupation Base	**2002-10**	**2011-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**
	Average Impact								
Other Teaching & Related Occupations	0	0	0	0	0	0	0	0	0
Community college & vocational teachers	0	0	0	0	0	0	0	0	0
Fine arts teachers, nec	0	0	0	0	0	0	0	0	0
Post-secondary school teachers, nec	0	0	0	0	0	0	0	0	0
Teachers of exceptional students, nec	0	0	0	0	0	0	0	0	0
Instructors & training officers, nec	0	0	0	0	0	0	0	0	0
Oth teaching & rltd, nec	0	0	0	0	0	0	0	0	0
MEDICINE & HEALTH	0	0	0	0	0	0	0	0	0
Health Diagnosing & Treating Occupations	0	0	0	0	0	0	0	0	0
Physicians & surgeons	0	0	0	0	0	0	0	0	0
Dentists	0	0	0	0	0	0	0	0	0
Veterinarians	0	0	0	0	0	0	0	0	0
Osteopaths & chiropractors	0	0	0	0	0	0	0	0	0
Health diagnosing & treating, nec	0	0	0	0	0	0	0	0	0
Nursing, Therapy & Related Assisting Occupations	0	0	0	0	0	0	0	0	0
Supervisors:nursing,therap&rltd ass.occ	0	0	0	0	0	0	0	0	0
Nurses, registered, grad&in-training	0	0	0	0	0	0	0	0	0
Orderlies	0	0	0	0	0	0	0	0	0
Registered nursing assistants	0	0	0	0	0	0	0	0	0
Nursing attendants	0	0	0	0	0	0	0	0	0
Audio & speech therapists	0	0	0	0	0	0	0	0	0
Physiotherapists	0	0	0	0	0	0	0	0	0
Occupational therapists	0	0	0	0	0	0	0	0	0
Nursing, therapy & rltd ass.occs, nec	0	0	0	0	0	0	0	0	0
Other Occupations in Medicine & Health	0	0	0	0	0	0	0	0	0
Pharmacists	0	0	0	0	0	0	0	0	0
Dietitians & nutritionists	0	0	0	0	0	0	0	0	0
Optometrists	0	0	0	0	0	0	0	0	0
Dispensing opticians	0	0	0	0	0	0	0	0	0
Radiological technologists&technicians	0	0	0	0	0	0	0	0	0
Medical lab technologists&technicians	0	0	0	0	0	0	0	0	0
Denturists	0	0	0	0	0	0	0	0	0
Dental hygienists & dental assistants	0	0	0	0	0	0	0	0	0
Dental laboratory technicians	0	0	0	0	0	0	0	0	0
Respiratory technicians	0	0	0	0	0	0	0	0	0
Oth medicine & health, nec	0	0	0	0	0	0	0	0	0

Yukon Occupation Base	**2002-10**	**2011-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**
	Average Impact								

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
					Impact												
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
					Impact												

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ARTISTIC, LITERARY, RECREATIONAL & RELATED	0	0	0	0	0	0	0	0	0
Occupations in Fine & Commercial Art, Photography & Related Fields	0	0	0	0	0	0	0	0	0
Painters, sculptors & rltd artists	0	0	0	0	0	0	0	0	0
Product & interior designers	0	0	0	0	0	0	0	0	0
Advertising & illustrating artists	0	0	0	0	0	0	0	0	0
Photographers & camera operators	0	0	0	0	0	0	0	0	0
Occs in fine&comm art, photo&rltd, nec	0	0	0	0	0	0	0	0	0
Occupations in Performing & Audio-visual Arts	0	0	0	0	0	0	0	0	0
Producers&directors, perform & av arts	0	0	0	0	0	0	0	0	0
Conductors, composers & arrangers	0	0	0	0	0	0	0	0	0
Musicians & singers	0	0	0	0	0	0	0	0	0
Occs rltd to music & mus entertain, nec	0	0	0	0	0	0	0	0	0
Dancers & choreographers	0	0	0	0	0	0	0	0	0
Actors/actresses	0	0	0	0	0	0	0	0	0
Radio & television announcers	0	0	0	0	0	0	0	0	0
Performing & audio-visual arts, nec	0	0	0	0	0	0	0	0	0
Occupations in Writing	0	0	0	0	0	0	0	0	0
Writers & editors	0	0	0	0	0	0	0	0	0
Translators & interpreters	0	0	0	0	0	0	0	0	0
Writing, nec	0	0	0	0	0	0	0	0	0
Occupations in Sports & Recreation	0	0	0	0	0	0	0	0	0
Supervisors: sports & recreation	0	0	0	0	0	0	0	0	0
Coaches,trainers&instructors,sports&rec	0	0	0	0	0	0	0	0	0
Referees & rltd officials	0	0	0	0	0	0	0	0	0
Athletes	0	0	0	0	0	0	0	0	0
Attendants, sports & recreation	0	0	0	0	0	0	0	0	0
Sports & recreation, nec	0	0	0	0	0	0	0	0	0
CLERICAL & RELATED	0	0	0	0	0	0	0	0	0
Stenographic & Typing Occupations	0	0	0	0	0	0	0	0	0
Supervisors:Stenographic & typing	0	0	0	0	0	0	0	0	0
Secretaries & stenographers	0	0	0	0	0	0	0	0	0
Typists & clerk-typists	0	0	0	0	0	0	0	0	0
Bookkeeping, Account-recording & Related Occupations	0	0	0	0	0	0	0	0	0
Supervisors:book, acct-record&rltd occs	0	0	0	0	0	0	0	0	0
Bookkeepers & accounting clerks	0	0	0	0	0	0	0	0	0
Cashiers & tellers	0	0	0	0	0	0	0	0	0
Insurance, bank & oth finance clerks	0	0	0	0	0	0	0	0	0
Statistical clerks	0	0	0	0	0	0	0	0	0
Bookkeep, acct-recording&rltd occs, nec	0	0	0	0	0	0	0	0	0

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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Yukon Occupation Base	2002-10	2011-25	2000	2001	2002	2003	2004	2005	2006
	Average Impact								
Office Machine & Electronic Dataprocessing Equipment Operators	0	0	0	0	0	0	0	0	0
Supervisors:office machine&EDP eqpt ope	0	0	0	0	0	0	0	0	0
Office machine operators	0	0	0	0	0	0	0	0	0
Electronic data-processing eqpt oper	0	0	0	0	0	0	0	0	0
Material Recording, Scheduling & Distibuting Occupations	0	0	0	0	0	0	0	0	0
Supers:Mat record, sched&distrib occs	0	0	0	0	0	0	0	0	0
Production clerks	0	0	0	0	0	0	0	0	0
Shipping & receiving clerks	0	0	0	0	0	0	0	0	0
Stock clerks & rltd	0	0	0	0	0	0	0	0	0
Weighers	0	0	0	0	0	0	0	0	0
Mat record, schedul & distrib occs, nec	0	0	0	0	0	0	0	0	0
Library, File & Correspondence Clerks & Related Occupations	0	0	0	0	0	0	0	0	0
Supers:Lib, file&corres clerks&rltd occ	0	0	0	0	0	0	0	0	0
Library & file clerks	0	0	0	0	0	0	0	0	0
Lib, file&corresp clerks&rltd occs, nec	0	0	0	0	0	0	0	0	0
Reception, Information, Mail & Message Distribution Occupations	0	0	0	0	0	0	0	0	0
Supers:recept,info,mail&mess distr occs	0	0	0	0	0	0	0	0	0
Receptionists & information clerks	0	0	0	0	0	0	0	0	0
Mail carriers	0	0	0	0	0	0	0	0	0
Mail & postal clerks	0	0	0	0	0	0	0	0	0
Telephone operators	0	0	0	0	0	0	0	0	0
Messengers	0	0	0	0	0	0	0	0	0
Recept,info,mail&mess distrib occs, nec	0	0	0	0	0	0	0	0	0
Other Clerical & Related Occupations	0	0	0	0	0	0	0	0	0
Supervisors:oth clerical,rltd occs, nec	0	0	0	0	0	0	0	0	0
Collectors	0	0	0	0	0	0	0	0	0
Claim adjusters	0	0	0	0	0	0	0	0	0
Trav clerks,ticket,station,freight agen	0	0	0	0	0	0	0	0	0
Hotel clerks	0	0	0	0	0	0	0	0	0
Personnel clerks	0	0	0	0	0	0	0	0	0
General office clerks	0	0	0	0	0	0	0	0	0
Oth clerical & rltd, nec	0	0	0	0	0	0	0	0	0

Yukon Occupation Base	2002-10	2011-25	2000	2001	2002	2003	2004	2005	2006
	Average Impact								
SALES	0	0	0	0	0	0	0	0	0
Sales Occupations, Commodities	0	0	0	0	0	0	0	0	0
Supervisors:Sales, commodities	0	0	0	0	0	0	0	0	0

2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
					Impact												
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
					Impact												
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Technical sales & rltd advisers	0	0	0	0	0	0	0	0	0
Commercial travellers	0	0	0	0	0	0	0	0	0
Sales clerks&salespersons, commod, nec	0	0	0	0	0	0	0	0	0
Street vendors & door-to-door sales	0	0	0	0	0	0	0	0	0
Newspaper carriers & vendors	0	0	0	0	0	0	0	0	0
Service station attendants	0	0	0	0	0	0	0	0	0
Sales:Commodities, nec	0	0	0	0	0	0	0	0	0
Sales Occupations, Services	0	0	0	0	0	0	0	0	0
Supervisors:Sales, services	0	0	0	0	0	0	0	0	0
Insurance sales	0	0	0	0	0	0	0	0	0
Real estate sales	0	0	0	0	0	0	0	0	0
Sales agents & traders, securities	0	0	0	0	0	0	0	0	0
Advertising sales	0	0	0	0	0	0	0	0	0
Business services sales	0	0	0	0	0	0	0	0	0
Sales:Services, nec	0	0	0	0	0	0	0	0	0
Other Sales Occupations	0	0	0	0	0	0	0	0	0
Supervisors:oth sales	0	0	0	0	0	0	0	0	0
Buyers, wholesale & retail trade	0	0	0	0	0	0	0	0	0
Route drivers	0	0	0	0	0	0	0	0	0
Oth sales, nec	0	0	0	0	0	0	0	0	0
SERVICE	0	0	0	0	0	0	0	0	0
Protective Service Occupations	0	0	0	0	0	0	0	0	0
Fire-fighting	0	0	0	0	0	0	0	0	0
Police officers & detectives, gov't	0	0	0	0	0	0	0	0	0
Police agents & investigators, private	0	0	0	0	0	0	0	0	0
Guards & rltd security	0	0	0	0	0	0	0	0	0
Protective service, nec	0	0	0	0	0	0	0	0	0
Food & Beverage Preparation & Related Service Occupations	0	0	0	0	0	0	0	0	0
Supers:Food&bev prep&rltd service occs	0	0	0	0	0	0	0	0	0
Chefs & cooks	0	0	0	0	0	0	0	0	0
Bartenders	0	0	0	0	0	0	0	0	0
Food & beverage serving	0	0	0	0	0	0	0	0	0
Food&bev prep & rltd service occs, nec	0	0	0	0	0	0	0	0	0
Occupations in Lodging & Other Accommodation	0	0	0	0	0	0	0	0	0
Supervisors:Lodging & oth accommodation	0	0	0	0	0	0	0	0	0
Lodging cleaners, except private hhold	0	0	0	0	0	0	0	0	0
Sleeping-car & baggage porters	0	0	0	0	0	0	0	0	0
Lodging & oth accommodation, nec	0	0	0	0	0	0	0	0	0
Yukon Occupation Base	**2002-10**	**2011-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**
	Average Impact								

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**

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Personal Service Occupations	0	0	0	0	0	0	0	0	0
Funeral directors, embalmers&rltd occs	0	0	0	0	0	0	0	0	0
Housekeepers, servants & rltd	0	0	0	0	0	0	0	0	0
Barbers, hairdressers & rltd	0	0	0	0	0	0	0	0	0
Guides	0	0	0	0	0	0	0	0	0
Travel&rltd attendants, except food&bev	0	0	0	0	0	0	0	0	0
Child-care	0	0	0	0	0	0	0	0	0
Personal service, nec	0	0	0	0	0	0	0	0	0
Apparel & Furnishings Service Occupations	0	0	0	0	0	0	0	0	0
Supervisors:Apparel & furnishings svc	0	0	0	0	0	0	0	0	0
Laundering & dry cleaning	0	0	0	0	0	0	0	0	0
Pressing	0	0	0	0	0	0	0	0	0
Apparel & furnishings service, nec	0	0	0	0	0	0	0	0	0
Other Service Occupations	0	0	0	0	0	0	0	0	0
Supervisors:oth service	0	0	0	0	0	0	0	0	0
Janitors, charworkers & cleaners	0	0	0	0	0	0	0	0	0
Elevator-operating	0	0	0	0	0	0	0	0	0
Labouring & oth elemental work:oth svc	0	0	0	0	0	0	0	0	0
Oth service, nec	0	0	0	0	0	0	0	0	0
FARMING, HORTICULTURAL & ANIMAL HUSBANDRY	0	0	0	0	0	0	0	0	0
Farmers	0	0	0	0	0	0	0	0	0
Other Farming, Horticultural & Animal Husbandry Occupations	0	0	0	0	0	0	0	0	0
Foremn/womn:oth farm,hort&animal hsbdry	0	0	0	0	0	0	0	0	0
Livestock farm workers	0	0	0	0	0	0	0	0	0
Crop farm workers	0	0	0	0	0	0	0	0	0
Nursery & rltd workers	0	0	0	0	0	0	0	0	0
Inspect&test&grad&sampl occs:oth farm	0	0	0	0	0	0	0	0	0
Farm machinery operators	0	0	0	0	0	0	0	0	0
Oth farm, horticult&animal hsbdry, nec	0	0	0	0	0	0	0	0	0

Yukon and No
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Standard Occup
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Yukon Occupation Base	2002-10 Average Impact	2011-25	2000	2001	2002	2003	2004	2005	2006
FISHING, TRAPPING & RELATED	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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rthwest Territories
t by Occupation
ational Classification
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2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
					Impact												
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Captains&oth officers, fishing vessels	0	0	0	0	0	0	0	0	0
Net, trap & line fishing	0	0	0	0	0	0	0	0	0
Trapping & rltd	0	0	0	0	0	0	0	0	0
Fishing, trapping & rltd, nec	0	0	0	0	0	0	0	0	0
FORESTRY & LOGGING	0	0	0	0	0	0	0	0	0
Foremen/women:Forestry & logging	0	0	0	0	0	0	0	0	0
Forestry conservation	0	0	0	0	0	0	0	0	0
Timber cutting & rltd	0	0	0	0	0	0	0	0	0
Log inspecting,grading,scal,rltd occs	0	0	0	0	0	0	0	0	0
Log hoisting, sorting, moving&rltd occs	0	0	0	0	0	0	0	0	0
Labour&oth elem work:forestry & logging	0	0	0	0	0	0	0	0	0
Forestry & logging, nec	0	0	0	0	0	0	0	0	0
MINING & QUARRYING INCLUDING OIL & GAS FIELD	0	0	0	0	0	0	0	0	0
Foremn/wn:Mining & quarrying, incl oil & gas field occs	0	0	0	0	0	0	0	0	0
Rotary well-drilling & rltd	0	0	0	0	0	0	0	0	0
Rock & soil drilling	0	0	0	0	0	0	0	0	0
Blasting	0	0	0	0	0	0	0	0	0
Min&quarry:cutting,handling,load occs	0	0	0	0	0	0	0	0	0
Labouring & oth element work:min&quarry	0	0	0	0	0	0	0	0	0
Mining&quarrying,inc oil&gas field, nec	0	0	0	0	0	0	0	0	0
PROCESSING	0	0	0	0	0	0	0	0	0
Mineral Ore Treating Occupations	0	0	0	0	0	0	0	0	0
Foremen/women:Mineral ore treating	0	0	0	0	0	0	0	0	0
Crushing & grinding, mineral ores	0	0	0	0	0	0	0	0	0
Mixing,separating,filter&rltd,min ores	0	0	0	0	0	0	0	0	0
Melting & roasting, mineral ores	0	0	0	0	0	0	0	0	0
Inspect,test,grad&sampl occs:min ores	0	0	0	0	0	0	0	0	0
Labour&oth elemental work:mineral ores	0	0	0	0	0	0	0	0	0
Mineral ore treating, nec	0	0	0	0	0	0	0	0	0
Metal Processing & Related Occupations	0	0	0	0	0	0	0	0	0
Foremn/wn:metal processing & rltd occs	0	0	0	0	0	0	0	0	0
Metal smelt, convert & refining occs	0	0	0	0	0	0	0	0	0
Metal heat-treating	0	0	0	0	0	0	0	0	0
Metal rolling	0	0	0	0	0	0	0	0	0
Moulding, coremaking & metal casting	0	0	0	0	0	0	0	0	0
Metal extruding & drawing	0	0	0	0	0	0	0	0	0
Plating, metal spraying & rltd	0	0	0	0	0	0	0	0	0
Insp,test,grad&sampl occs, metal proc	0	0	0	0	0	0	0	0	0
Labour & oth elemental work:metal proc	0	0	0	0	0	0	0	0	0
Metal processing & rltd, nec	0	0	0	0	0	0	0	0	0

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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Yukon Occupation Base	2002-10	2011-25	2000	2001	2002	2003	2004	2005	2006
	Average Impact								
Clay, Glass & Stone Processing, Forming & Related Occupations	0	0	0	0	0	0	0	0	0
Foremn/wn:Clay,glass&stone pro,form&rlt	0	0	0	0	0	0	0	0	0
Furnace & kiln workers:clay,glass&stone	0	0	0	0	0	0	0	0	0
Separ,grind,crush&mix:clay,glass&stone	0	0	0	0	0	0	0	0	0
Forming:Clay, glass & stone	0	0	0	0	0	0	0	0	0
Insp,test,grad&sampl:clay,glass&stone	0	0	0	0	0	0	0	0	0
Labour&oth elem work:clay,glass & stone	0	0	0	0	0	0	0	0	0
Clay,glass&stone proc, form&rltd, nec	0	0	0	0	0	0	0	0	0
Chemicals, Petroleum, Rubber, Plastic & Related Materials Processing Occupations	0	0	0	0	0	0	0	0	0
Foremn/wen:chem,ptrlm,rbbr&plstic proc	0	0	0	0	0	0	0	0	0
Mixing & blending occs, chem&rltd mat	0	0	0	0	0	0	0	0	0
Filter, strain&separating,chem&rltd mat	0	0	0	0	0	0	0	0	0
Distil,sublim,carbonizing,chem&rltd mat	0	0	0	0	0	0	0	0	0
Roasting, cooking&drying,chem&rltd mat	0	0	0	0	0	0	0	0	0
Crushing&grinding, chemicals&rltd mat	0	0	0	0	0	0	0	0	0
Coating&calendering, chemicals&rltd mat	0	0	0	0	0	0	0	0	0
Insp,test,grad&sampling:chem&rltd mat	0	0	0	0	0	0	0	0	0
Labour&oth elemental work:chem&rltd mat	0	0	0	0	0	0	0	0	0
Chemicals&rltd materials proc occs, nec	0	0	0	0	0	0	0	0	0
Food, Beverage & Related Processing Occupations	0	0	0	0	0	0	0	0	0
Foremn/wn:food,bev&rltd processing occs	0	0	0	0	0	0	0	0	0
Flour & grain milling	0	0	0	0	0	0	0	0	0
Baking, confectionery making&rltd occs	0	0	0	0	0	0	0	0	0
Slaughter&meat cut,can,cure&pack occs	0	0	0	0	0	0	0	0	0
Fish canning, curing & packing	0	0	0	0	0	0	0	0	0
Fruit & veg canning, preserv&pack occs	0	0	0	0	0	0	0	0	0
Milk processing & rltd	0	0	0	0	0	0	0	0	0
Sugar processing & rltd	0	0	0	0	0	0	0	0	0
Insp, test, grading&sampling:food&bev	0	0	0	0	0	0	0	0	0
Beverage processing & rltd	0	0	0	0	0	0	0	0	0
Labouring&oth elemental work:food&bev	0	0	0	0	0	0	0	0	0
Food, bev & rltd processing occs, nec	0	0	0	0	0	0	0	0	0
Wood Processing Occupations, Except Pulp & Papermaking	0	0	0	0	0	0	0	0	0
Foremn/wn:wood proc, except pulp&paper	0	0	0	0	0	0	0	0	0
Sawmill sawyers & rltd	0	0	0	0	0	0	0	0	0
Plywood making & rltd	0	0	0	0	0	0	0	0	0

2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
					Impact												
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Wood treating	0	0	0	0	0	0	0	0	0
Insp, test, grad&sampl occs:wood proc	0	0	0	0	0	0	0	0	0
Labouring&oth elemental work:wood proc	0	0	0	0	0	0	0	0	0
Wood proc, except pulp&papermaking, nec	0	0	0	0	0	0	0	0	0

Yukon Occupation Base	**2002-10**	**2011-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**
	Average Impact								
Pulp & Papermaking & Related Occupations	0	0	0	0	0	0	0	0	0
Foremn/wn:Pulp & papermaking&rltd occs	0	0	0	0	0	0	0	0	0
Cellulose pulp preparing	0	0	0	0	0	0	0	0	0
Papermaking & finishing	0	0	0	0	0	0	0	0	0
Inspect,test,grad&sampl occs:pulp&paper	0	0	0	0	0	0	0	0	0
Labour & oth elemental work:pulp&paper	0	0	0	0	0	0	0	0	0
Pulp & papermaking & rltd occs, nec	0	0	0	0	0	0	0	0	0
Textile Processing Occupations	0	0	0	0	0	0	0	0	0
Foremen/women:Textile processing	0	0	0	0	0	0	0	0	0
Textile fibre preparing	0	0	0	0	0	0	0	0	0
Textile spinning & twisting	0	0	0	0	0	0	0	0	0
Textile winding & reeling	0	0	0	0	0	0	0	0	0
Textile weaving	0	0	0	0	0	0	0	0	0
Knitting	0	0	0	0	0	0	0	0	0
Textile bleaching & dyeing	0	0	0	0	0	0	0	0	0
Textile finishing & calendering	0	0	0	0	0	0	0	0	0
Inspect,test,grad&sampl occs, tex proc	0	0	0	0	0	0	0	0	0
Labour&oth elemental work:textile proc	0	0	0	0	0	0	0	0	0
Textile processing, nec	0	0	0	0	0	0	0	0	0
Other Processing Occupations	0	0	0	0	0	0	0	0	0
Foremen/women:oth processing	0	0	0	0	0	0	0	0	0
Tobacco processing	0	0	0	0	0	0	0	0	0
Hide & pelt processing	0	0	0	0	0	0	0	0	0
Insp,test,grad&sampl occs:process nec	0	0	0	0	0	0	0	0	0
Labouring&oth elemental work:oth proc	0	0	0	0	0	0	0	0	0
Oth processing, nec	0	0	0	0	0	0	0	0	0
MACHINING & RELATED	0	0	0	0	0	0	0	0	0
Metal Machining Occupations	0	0	0	0	0	0	0	0	0
Foremen/women:Metal machining	0	0	0	0	0	0	0	0	0
Tool & die making	0	0	0	0	0	0	0	0	0
Machinist & machine tool setting-up	0	0	0	0	0	0	0	0	0
Machine tool operating	0	0	0	0	0	0	0	0	0
Inspect,test,grad&sampl occs:metal mach	0	0	0	0	0	0	0	0	0
Metal machining, nec	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
					Impact												
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Metal Shaping & Forming Occupations, Except Machining	0	0	0	0	0	0	0	0	0
Foremn/wn:metal shap&form, ex machining	0	0	0	0	0	0	0	0	0
Forging	0	0	0	0	0	0	0	0	0
Sheet metal workers	0	0	0	0	0	0	0	0	0
Metalworking-machine operators, nec	0	0	0	0	0	0	0	0	0
Welding & flame cutting	0	0	0	0	0	0	0	0	0
Inspect,test,grad&sampl:metal shap&form	0	0	0	0	0	0	0	0	0
Boilermkrs, platers & struct metal wkrs	0	0	0	0	0	0	0	0	0
Metal shap&form occs, ex machining, nec	0	0	0	0	0	0	0	0	0

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Yukon Occupation Base	2002-10	2011-25	2000	2001	2002	2003	2004	2005	2006
	Average Impact								
Wood Machining Occupations	0	0	0	0	0	0	0	0	0
Foremen/women:Wood machining	0	0	0	0	0	0	0	0	0
Wood patternmaking	0	0	0	0	0	0	0	0	0
Wood sawing & rltd, nec	0	0	0	0	0	0	0	0	0
Plane,turn,shaping&rltd wood mach occs	0	0	0	0	0	0	0	0	0
Inspect,test,grad&sampl occs:wood mach	0	0	0	0	0	0	0	0	0
Wood sanding	0	0	0	0	0	0	0	0	0
Wood machining, nec	0	0	0	0	0	0	0	0	0
Clay, Glass Stone & Related Materials Machining Occupations	0	0	0	0	0	0	0	0	0
Foremn/wn:clay,glass,stne&rltd mat mach	0	0	0	0	0	0	0	0	0
Cut&shaping:clay,glass,stne&rltd mat	0	0	0	0	0	0	0	0	0
Abrad&polish:clay,glass,stne&rltd mat	0	0	0	0	0	0	0	0	0
Insp,test,grad&sampl:clay,glass&stone	0	0	0	0	0	0	0	0	0
Clay,glass,stone&rltd mat mach, nec	0	0	0	0	0	0	0	0	0
Other Machining & Related Occupations, NEC	0	0	0	0	0	0	0	0	0
Foremn/wn:oth machining&rltd occs, nec	0	0	0	0	0	0	0	0	0
Engravers, etchers & rltd occs, nec	0	0	0	0	0	0	0	0	0
Filing, grind, buff, clean&polish, nec	0	0	0	0	0	0	0	0	0
Patternmakers & mouldmakers, nec	0	0	0	0	0	0	0	0	0
Insp,test,grad&sampl:oth machining,nec	0	0	0	0	0	0	0	0	0

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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
					Impact												
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Oth machining & rltd, nec	0	0	0	0	0	0	0	0	0
PRODUCT FABRICATING, ASSEMBLING & REPAIRING	0	0	0	0	0	0	0	0	0
Fabricating & Assembling Occupations: Metal Products NEC	0	0	0	0	0	0	0	0	0
Foremn/wn:Fabric&assembl,metal prod,nec	0	0	0	0	0	0	0	0	0
Engine&rltd eqpt fabric&assembling, nec	0	0	0	0	0	0	0	0	0
Motor vehicle fabric & assembling, nec	0	0	0	0	0	0	0	0	0
Aircraft fabric & assembling occs, nec	0	0	0	0	0	0	0	0	0
Mechanized eqpt fabric & assmbling, nec	0	0	0	0	0	0	0	0	0
Business&commer mach fabric&assmbl, nec	0	0	0	0	0	0	0	0	0
Insp,test,grad&sampl:fbric&assmbl nec	0	0	0	0	0	0	0	0	0
Precision instrum&rltd fbric&assmbl,nec	0	0	0	0	0	0	0	0	0
Labour&oth elem work:fabric&assembl nec	0	0	0	0	0	0	0	0	0
Oth fabric & assembling:metal prod, nec	0	0	0	0	0	0	0	0	0

Yukon Occupation Base	**2002-10 Average Impact**	**2011-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**
Fabricating, Assembling, Installing & Repairing Occupations: Electrical, Electronic & Related Equipment	0	0	0	0	0	0	0	0	0
Foremn/wmn:fabric&assemb:elec&rltd eqpt	0	0	0	0	0	0	0	0	0
Electrical & rltd eqpt fabric & assembl	0	0	0	0	0	0	0	0	0
Electrical&rltd eqpt install&repair,nec	0	0	0	0	0	0	0	0	0
Electronic & rltd eqpt fabric & assembl	0	0	0	0	0	0	0	0	0
Electronic&rltd eqpt install&repair,nec	0	0	0	0	0	0	0	0	0
Inspect etc:fabric&rltd,elect&rltd eqpt	0	0	0	0	0	0	0	0	0
Radio & television repairers	0	0	0	0	0	0	0	0	0
Labour&oth:fabric&rltd, elect&rltd eqpt	0	0	0	0	0	0	0	0	0
Fabric&rltd:electrical&rltd eqpt, nec	0	0	0	0	0	0	0	0	0
Fabricating, Assembling & Repairing Occupations: Wood Products	0	0	0	0	0	0	0	0	0
Foremn/wn:fabri,assemb&repair:wood prod	0	0	0	0	0	0	0	0	0
Cabinet & wood furniture makers	0	0	0	0	0	0	0	0	0
Insp&rltd:fabric,assembl&repair, wood	0	0	0	0	0	0	0	0	0
Labour:fabric,assembl&repair,wood prods	0	0	0	0	0	0	0	0	0
Fabric, assembl&repair:wood prods, nec	0	0	0	0	0	0	0	0	0
Fabricating, Assembling & Repairing Occupations: Textile, Fur & Leather Products	0	0	0	0	0	0	0	0	0
Foremn/wn:fabri&rltd:tex,fur&leath prod	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
					Impact												
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Patternmak,mark&cut:tex,fur&leath prod	0	0	0	0	0	0	0	0	0
Tailors & dressmakers	0	0	0	0	0	0	0	0	0
Furriers	0	0	0	0	0	0	0	0	0
Milliners, hat & cap makers	0	0	0	0	0	0	0	0	0
Shoemaking & repairing	0	0	0	0	0	0	0	0	0
Upholsterers	0	0	0	0	0	0	0	0	0
Sewing machine operators, textile mat	0	0	0	0	0	0	0	0	0
Inspect&rltd:fabric&rltd,tex,fur&leath	0	0	0	0	0	0	0	0	0
Labour:fabri,assmbl&repair,tex,fur&lthr	0	0	0	0	0	0	0	0	0
Fabric&rltd:tex,fur&leather prod, nec	0	0	0	0	0	0	0	0	0
Fabricating, Assembling & Repairing Occupations: Rubber, Plastic & Related Products	0	0	0	0	0	0	0	0	0
Foremn/wn:fabric&rltd:rubber&rltd prods	0	0	0	0	0	0	0	0	0
Bond&cementing:rubber,plastic&rltd prod	0	0	0	0	0	0	0	0	0
Moulding:Rubber, plastic&rltd products	0	0	0	0	0	0	0	0	0
Cut&finishing:rubber, plastic&rltd prod	0	0	0	0	0	0	0	0	0
Insp&rltd:fabric&rltd,rubber&rltd prod	0	0	0	0	0	0	0	0	0
Labour:fabri&rltd,rubbr,plast&rltd prod	0	0	0	0	0	0	0	0	0
Fabri,assmb&repair:rbbr&rltd prods, nec	0	0	0	0	0	0	0	0	0

Yukon Occupation Base	**2002-10**	**2011-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**
	Average Impact								
Mechanics & Repairers, NEC	0	0	0	0	0	0	0	0	0
Foremen/women:Mechanics&repairers, nec	0	0	0	0	0	0	0	0	0
Motor vehicle mechanics & repairers	0	0	0	0	0	0	0	0	0
Aircraft mechanics & repairers	0	0	0	0	0	0	0	0	0
Rail transport eqpt mechanics&repairers	0	0	0	0	0	0	0	0	0
Indust,farm&construc mach mechncs&reprs	0	0	0	0	0	0	0	0	0
Business&commercial mach mechncs&reprs	0	0	0	0	0	0	0	0	0
Inspecting & rltd:eqpt repair, nec	0	0	0	0	0	0	0	0	0
Watch & clock repairers	0	0	0	0	0	0	0	0	0
Precision instrument mechncs&repairers	0	0	0	0	0	0	0	0	0
Oth mechanics & repairers, nec	0	0	0	0	0	0	0	0	0
Other Product Fabricating, Assembling & Repairing Occupations	0	0	0	0	0	0	0	0	0
Foremn/wmn:oth prod fabric,assmbl&repr	0	0	0	0	0	0	0	0	0
Jewellery&silverware fabric,assmbl&repr	0	0	0	0	0	0	0	0	0
Marine craft fabric, assembl&repair	0	0	0	0	0	0	0	0	0
Paper product fabricating & assembling	0	0	0	0	0	0	0	0	0
Painting & decorating, nec	0	0	0	0	0	0	0	0	0
Inspct&rltd:oth prod fabric,assmbl&repr	0	0	0	0	0	0	0	0	0
Labour:oth prod fabricat,assembl&repair	0	0	0	0	0	0	0	0	0
Oth prod fabricat, assmbl & repair, nec	0	0	0	0	0	0	0	0	0
CONSTRUCTION TRADES	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
					Impact												
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Excavating, Grading, Paving & Related Occupations	0	0	0	0	0	0	0	0	0
Foremn/wn:Excavating,grading,pav&rltd	0	0	0	0	0	0	0	0	0
Excavating, grading & rltd	0	0	0	0	0	0	0	0	0
Paving, surfacing & rltd	0	0	0	0	0	0	0	0	0
Railway section & track workers	0	0	0	0	0	0	0	0	0
Labour:excavat,grading,paving&rltd act	0	0	0	0	0	0	0	0	0
Excavating,grading,pav&rltd occs, nec	0	0	0	0	0	0	0	0	0
Electrical Power, Lighting & Wire Communications Equipment Erecting, Installing & Repairing Occupations	0	0	0	0	0	0	0	0	0
Foremn/wmn:elec pwr,erect,install&repr	0	0	0	0	0	0	0	0	0
Electrical power line workers & rltd	0	0	0	0	0	0	0	0	0
Construction electricians & repairers	0	0	0	0	0	0	0	0	0
Wire communicatn&rltd eqpt install&repr	0	0	0	0	0	0	0	0	0
Insp&rltd:elec pow,erect,install&repr	0	0	0	0	0	0	0	0	0
Labour:elec power, erect,install&repair	0	0	0	0	0	0	0	0	0
Elec pow&wire comms eqpt erect&rltd,nec	0	0	0	0	0	0	0	0	0

Yukon Occupation Base	**2002-10 Average Impact**	**2011-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**
Other Construction Trades Occupations	0	0	0	0	0	0	0	0	0
Foremen/women:oth construction trades	0	0	0	0	0	0	0	0	0
Carpenters & rltd	0	0	0	0	0	0	0	0	0
Brick & stone masons & tile setters	0	0	0	0	0	0	0	0	0
Concrete finishing & rltd	0	0	0	0	0	0	0	0	0
Plasterers & rltd	0	0	0	0	0	0	0	0	0
Painters, paperhangers & rltd	0	0	0	0	0	0	0	0	0
Insulating, construction	0	0	0	0	0	0	0	0	0
Roofing, waterproofing & rltd	0	0	0	0	0	0	0	0	0
Pipefitting, plumbing & rltd	0	0	0	0	0	0	0	0	0
Structural metal erectors	0	0	0	0	0	0	0	0	0
Glaziers	0	0	0	0	0	0	0	0	0
Inspect,testng,gradng&smplng:oth constr	0	0	0	0	0	0	0	0	0
Labouring:oth construction trades	0	0	0	0	0	0	0	0	0
Oth construction trades, nec	0	0	0	0	0	0	0	0	0
TRANSPORT EQUIPMENT OPERATING	0	0	0	0	0	0	0	0	0
Air Transport Operating Occupations	0	0	0	0	0	0	0	0	0
Foremen/women:Air transport operating	0	0	0	0	0	0	0	0	0
Air pilots, navigators&flight engineers	0	0	0	0	0	0	0	0	0
Air transport operating support	0	0	0	0	0	0	0	0	0
Air transport operating, nec	0	0	0	0	0	0	0	0	0
Railway Transport Operating Occupations	0	0	0	0	0	0	0	0	0
Foremn/wmn:Railway transport operating	0	0	0	0	0	0	0	0	0
Locomotive operating	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
					Impact												
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Conductors & brake workers, railway	0	0	0	0	0	0	0	0	0
Railway transport operating support	0	0	0	0	0	0	0	0	0
Railway transport operating, nec	0	0	0	0	0	0	0	0	0
Water Transport Operating Occupations	0	0	0	0	0	0	0	0	0
Deck officers	0	0	0	0	0	0	0	0	0
Engineering officers, ship	0	0	0	0	0	0	0	0	0
Deck crew, ship	0	0	0	0	0	0	0	0	0
Engine & boiler-room crew, ship	0	0	0	0	0	0	0	0	0
Water transport operating, nec	0	0	0	0	0	0	0	0	0
Motor Transport Operating Occupations	0	0	0	0	0	0	0	0	0
Foremen/women:Motor transport operating	0	0	0	0	0	0	0	0	0
Bus drivers	0	0	0	0	0	0	0	0	0
Taxi drivers & chauffeurs	0	0	0	0	0	0	0	0	0
Truck drivers	0	0	0	0	0	0	0	0	0
Motor transport operating, nec	0	0	0	0	0	0	0	0	0

Yukon Occupation Base	**2002-10**	**2011-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**
	Average Impact								
Other Transport Equipment Operating Occupations	0	0	0	0	0	0	0	0	0
Foremn/wmn:oth transport eqpt operating	0	0	0	0	0	0	0	0	0
Subway & street railway operating	0	0	0	0	0	0	0	0	0
Rail vehicle oper, ex rail transport	0	0	0	0	0	0	0	0	0
Oth transport eqpt operating, nec	0	0	0	0	0	0	0	0	0
MATERIAL HANDLING & RELATED, N.E.C.	0	0	0	0	0	0	0	0	0
Foremen/women:mat handling&rltd,nec	0	0	0	0	0	0	0	0	0
Hoisting, nec	0	0	0	0	0	0	0	0	0
Longshore wkr,stevedore,freight handlrs	0	0	0	0	0	0	0	0	0
Parcel carriers, nec	0	0	0	0	0	0	0	0	0
Material handling eqpt operators, nec	0	0	0	0	0	0	0	0	0
Packaging, nec	0	0	0	0	0	0	0	0	0
Labouring:mat handling&rltd act,nec	0	0	0	0	0	0	0	0	0
Oth material handling & rltd occs, nec	0	0	0	0	0	0	0	0	0
OTHER CRAFTS & EQUIPMENT OPERATING	0	0	0	0	0	0	0	0	0
Printing & Related Occupations	0	0	0	0	0	0	0	0	0
Foremen/women:Printing & rltd	0	0	0	0	0	0	0	0	0
Typesetting & composing	0	0	0	0	0	0	0	0	0
Printing press	0	0	0	0	0	0	0	0	0
Stereotyping & electrotyping	0	0	0	0	0	0	0	0	0
Printing engraving, except photoengrav	0	0	0	0	0	0	0	0	0
Photoengraving & rltd	0	0	0	0	0	0	0	0	0
Bookbinding & rltd	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Impact

2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Labouring:Printing & rltd activities	0	0	0	0	0	0	0	0	0
Printing & rltd, nec	0	0	0	0	0	0	0	0	0
Stationary Engine & Utilities Equipment Operating & Related Occupations	0	0	0	0	0	0	0	0	0
Foremn/wmn:Stationary eng&util eqpt opr	0	0	0	0	0	0	0	0	0
Power station operators	0	0	0	0	0	0	0	0	0
Stationary eng&utility eqpt op&rltd,nec	0	0	0	0	0	0	0	0	0
Electronic & Related Communications Equipment Operating Occupations, NEC	0	0	0	0	0	0	0	0	0
Foremn/wmn:elect&rltd comms eqpt op,nec	0	0	0	0	0	0	0	0	0
Radio & tv broadcasting eqpt operators	0	0	0	0	0	0	0	0	0
Telegraph operators	0	0	0	0	0	0	0	0	0
Sound&video recording&reprod eqpt oper	0	0	0	0	0	0	0	0	0
Motion picture projectionists	0	0	0	0	0	0	0	0	0
Oth electronic&rltd comm eqpt oper, nec	0	0	0	0	0	0	0	0	0
Other Crafts & Equipment Operating Occupations, NEC	0	0	0	0	0	0	0	0	0
Foremen/women:Oth crafts&eqpt oper, nec	0	0	0	0	0	0	0	0	0
Photographic processing	0	0	0	0	0	0	0	0	0
Oth crafts & eqpt operating occs, nec	0	0	0	0	0	0	0	0	0

Yukon Occupation Base	**2002-10**	**2011-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**
	Average Impact								
OCCUPATIONS NEC	0	0	0	0	0	0	0	0	0
Supervisors & foremen/women, nec	0	0	0	0	0	0	0	0	0
Inspecting,testing,grading&sampling,nec	0	0	0	0	0	0	0	0	0
Labouring & oth elemental work, nec	0	0	0	0	0	0	0	0	0
Oth occupations, nec	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
					Impact												
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	Yukon Occupation Impact Debt	2002-07	2008-12	2013-25	2000	2001	2002
		Average % Impact					
Total	TOTAL	20.335	5.855	7.837	0	0	1.428
Managerial	MANAGERIAL, ADMINISTRATIVE & RELATED	15.94	4.892	7.512	0	0	1.492
	Officials & Administrators Unique to Government	0.137	0.188	0.169	0	0	0.006
	Gov't administrators	0.114	0.171	0.159	0	0	0.001
	Post office mgmt	2.181	3.296	3.782	0	0	0.252
	Inspectors & regulatory officers, gov't	0.121	0.172	0.154	0	0	0.003
	Officials & admin unique to gov't, nec	0.172	0.206	0.175	0	0	0.015
	Other Managers & Administrators	19.081	6.041	8.947	0	0	1.447
	General mgrs & oth senior officials	23.803	6.086	9.259	0	0	1.404
	Mgmt occs, nat sciences & engineering	16.463	6.083	10.631	0	0	3.041
	Mgmt occs, soc sciences & rltd fields	1.135	0.647	1.395	0	0	0.278
	Administrators in teaching&rltd fields	0.478	0.3	0.504	0	0	0.071
	Administrators in medicine & health	0.845	0.657	1.198	0	0	0.164
	Financial mgmt	9.556	4.852	6.503	0	0	1.364
	Personnel & indust relations mgmt occs	9.183	4.876	7.96	0	0	0.985
	Sales & advertising mgmt	13.324	8.295	14.241	0	0	2.23
	Purchasing mgmt	13.905	6.023	7.875	0	0	0.933
	Services mgmt	8.964	2.621	7.496	0	0	1.763
	Production mgmt	21.052	7.286	11.538	0	0	1.612
	Mgmt, construction operations	82.467	9.4	4.077	0	0	0.222
	Farm mgmt	0	0	0	0	0	0
	Mgmt occs, transport&communic operation	15.464	20.393	21.433	0	0	1.548
	Oths managers	18.879	6.033	9.224	0	0	1.406
	Occupations Related to Management & Administration	16.987	4.774	8.275	0	0	2.352
	Accountants, auditors&oth fin officers	22.131	4.685	6.878	0	0	3.267
	Organization & methods analysts	14.016	7.233	20.164	0	0	2.233
	Personnel & rltd officers	5.299	2.96	6.421	0	0	0.643
	Purchasing officers & buyers, ex w/sale & retail trade	15.554	4.462	6.074	0	0	0.88
	Inspectors & regulatory officers, nec	20.747	10.726	17.07	0	0	2.15
	Occs rltd to mgmt & administration, nec	10.775	5.217	10.457	0	0	1.195

Yukon Occupation Impact Debt **2002-07 2008-12 2013-25 2000 2001 2002**

Average % Impact

Yukon
Employment by Occupation
Standard Occupational Classification
Thousands

2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
										% Impact			
1.748	8.315	26.74	53.18	28.72	6.776	7.106	6.252	4.769	4.354	4.887	5.603	6.493	7.125
1.797	6.853	21.29	41.13	21.95	5.65	5.841	5.188	3.947	3.823	4.527	5.341	6.262	6.921
0.055	0.135	0.194	0.223	0.204	0.198	0.194	0.188	0.181	0.178	0.177	0.177	0.176	0.174
0.049	0.12	0.159	0.177	0.177	0.176	0.173	0.171	0.168	0.166	0.164	0.163	0.162	0.161
0.643	1.698	3.405	4.407	3.4	3.9	3.723	3.384	2.729	2.712	3.062	3.456	3.738	3.833
0.051	0.124	0.17	0.192	0.184	0.18	0.177	0.173	0.168	0.165	0.164	0.162	0.16	0.159
0.064	0.155	0.25	0.303	0.243	0.22	0.216	0.208	0.196	0.191	0.191	0.19	0.188	0.186
1.771	8.093	25.49	49.38	26.67	6.968	7.229	6.426	4.913	4.638	5.356	6.219	7.278	8.044
1.687	9.611	31.54	63.01	33.01	6.736	7.404	6.594	5.011	4.673	5.461	6.476	7.582	8.417
3.507	7.34	21.15	41.12	21.62	6.484	6.651	6.223	5.242	5.805	7.218	8.542	9.825	10.7
0.369	0.722	1.669	2.4	1.285	0.722	0.691	0.661	0.545	0.618	0.782	0.948	1.122	1.251
0.126	0.315	0.697	1.034	0.583	0.333	0.329	0.308	0.257	0.271	0.316	0.371	0.427	0.469
0.244	0.549	1.244	1.743	1.056	0.739	0.711	0.67	0.566	0.598	0.696	0.808	0.935	1.036
1.612	4.629	13.25	23.55	12.73	5.173	5.405	5.108	4.223	4.32	4.973	5.583	6.196	6.574
1.204	4.261	12.56	22.87	12.64	5.149	5.339	5.072	4.321	4.497	5.227	5.945	6.743	7.334
2.792	7.28	19.16	29.58	18.1	9.951	9.4	8.67	6.7	6.702	7.856	9.014	10.72	11.96
1.145	5.624	18.03	36.34	20.42	6.347	6.734	6.311	5.421	5.301	5.841	6.335	6.957	7.396
2.193	5.502	13.77	20.2	10.13	4.897	3.545	2.333	0.975	1.258	2.447	3.599	5.192	6.303
1.935	9.078	28.42	54.45	28.63	7.779	8.44	7.74	6.176	6.285	7.557	8.8	10.02	10.9
0.266	27.16	102.4	226.8	114.3	10.267	13.66	11.08	7.679	4.337	3.342	3.501	3.747	3.925
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.982	7.108	20.22	35.34	26.36	23.17	22.98	21.1	17.68	16.96	17.14	17.84	18.99	19.94
1.687	7.849	25.05	49.24	26.23	6.475	7.02	6.435	5.168	5.046	5.848	6.769	7.782	8.526
2.746	7.501	22.56	43.41	22.41	5.497	5.656	5.024	3.768	3.929	4.976	6.124	7.247	8.037
3.804	9.489	28.78	56.9	29.38	5.934	5.962	4.96	3.321	3.252	4.229	5.368	6.462	7.156
2.538	7.466	20.92	34.33	15.84	6.337	7.101	7.522	6.84	8.355	11.03	13.68	16.27	18.35
0.784	2.719	7.727	13.03	6.666	2.911	3.112	3.092	2.685	3.002	3.72	4.466	5.215	5.805
1.083	6.258	20.51	41.29	21.98	5.24	5.532	4.763	3.504	3.263	3.768	4.405	5.062	5.578
2.527	9.35	28.28	52.15	28.49	11.523	12.03	11.26	9.308	9.492	10.91	12.62	14.43	15.82
1.425	5.124	15.11	27.08	14.03	5.278	5.604	5.433	4.642	5.13	6.313	7.47	8.632	9.551
2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
										% Impact			

2017	2018	2019	2020	2021	2022	2023	2024	2025		
7.489	7.905	8.4	8.815	9.093	9.056	8.932	8.878	9.177	20.335	5.855
7.295	7.711	8.196	8.614	8.848	8.739	8.524	8.272	8.373	15.94	4.892
0.172	0.17	0.169	0.168	0.167	0.164	0.162	0.159	0.158	0.137	0.188
0.159	0.159	0.158	0.157	0.157	0.156	0.156	0.155	0.155	0.114	0.171
3.784	3.791	3.926	4.154	4.237	4.105	3.824	3.722	3.833	2.181	3.296
0.157	0.155	0.154	0.153	0.152	0.15	0.149	0.147	0.146	0.121	0.172
0.182	0.179	0.176	0.174	0.172	0.167	0.161	0.155	0.151	0.172	0.206
8.503	9.01	9.606	10.12	10.47	10.45	10.3	10.29	10.67	19.081	6.041
8.942	9.491	10.09	10.63	10.94	10.86	10.63	10.31	10.37	23.803	6.086
11.1	11.55	12.04	12.46	12.46	11.9	11.29	9.993	9.279	16.463	6.083
1.331	1.418	1.518	1.607	1.66	1.653	1.634	1.582	1.597	1.135	0.647
0.497	0.525	0.555	0.58	0.591	0.582	0.569	0.538	0.524	0.478	0.3
1.108	1.187	1.275	1.353	1.411	1.429	1.439	1.429	1.459	0.845	0.657
6.704	6.886	7.142	7.382	7.428	7.113	6.675	6.078	5.85	9.556	4.852
7.71	8.111	8.559	8.942	9.17	9.117	8.996	8.748	8.784	9.183	4.876
12.72	13.57	14.72	15.75	16.7	17.11	17.11	18.2	20.03	13.324	8.295
7.64	7.907	8.24	8.522	8.718	8.697	8.581	8.581	8.829	13.905	6.023
6.93	7.666	8.463	9.018	9.431	9.449	9.474	9.763	10.47	8.964	2.621
11.43	11.98	12.58	13.15	13.4	13.17	12.7	12.14	12.03	21.052	7.286
4.012	4.104	4.196	4.266	4.324	4.317	4.32	4.354	4.508	82.467	9.4
0	0	0	0	0	0	0	0	0	0	0
20.73	21.66	22.65	23.44	23.9	23.77	23.41	22.81	22.36	15.464	20.393
8.975	9.455	9.993	10.47	10.73	10.64	10.43	10.1	10.16	18.879	6.033
8.442	8.89	9.392	9.835	9.944	9.578	9.115	8.211	7.774	16.987	4.774
7.384	7.69	8.079	8.422	8.379	7.796	7.127	5.98	5.408	22.131	4.685
19.8	21.2	22.54	23.66	24.22	24	23.79	22	21.02	14.016	7.233
6.218	6.628	7.051	7.415	7.62	7.585	7.53	7.133	6.97	5.299	2.96
5.92	6.295	6.683	7.049	7.218	7.114	6.81	6.572	6.442	15.554	4.462
16.77	17.74	18.75	19.61	20.04	19.77	19.36	18.19	17.66	20.747	10.726
10.18	10.81	11.46	12.04	12.35	12.25	12.01	11.46	11.22	10.775	5.217
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**

Average % Im

7.837	0	0	1.428	1.748	8.315	26.744	53.178	28.719
7.512	0	0	1.492	1.797	6.853	21.286	41.134	21.954
0.169	0	0	0.006	0.055	0.135	0.194	0.223	0.204
0.159	0	0	0.001	0.049	0.12	0.159	0.177	0.177
3.782	0	0	0.252	0.643	1.698	3.405	4.407	3.4
0.154	0	0	0.003	0.051	0.124	0.17	0.192	0.184
0.175	0	0	0.015	0.064	0.155	0.25	0.303	0.243
8.947	0	0	1.447	1.771	8.093	25.49	49.384	26.669
9.259	0	0	1.404	1.687	9.611	31.537	63.007	33.01
10.631	0	0	3.041	3.507	7.34	21.145	41.121	21.619
1.395	0	0	0.278	0.369	0.722	1.669	2.4	1.285
0.504	0	0	0.071	0.126	0.315	0.697	1.034	0.583
1.198	0	0	0.164	0.244	0.549	1.244	1.743	1.056
6.503	0	0	1.364	1.612	4.629	13.252	23.545	12.729
7.96	0	0	0.985	1.204	4.261	12.556	22.867	12.642
14.241	0	0	2.23	2.792	7.28	19.162	29.583	18.099
7.875	0	0	0.933	1.145	5.624	18.025	36.335	20.42
7.496	0	0	1.763	2.193	5.502	13.765	20.198	10.129
11.538	0	0	1.612	1.935	9.078	28.416	54.451	28.631
4.077	0	0	0.222	0.266	27.162	102.379	226.812	114.306
0	0	0	0	0	0	0	0	0
21.433	0	0	1.548	1.982	7.108	20.215	35.337	26.361
9.224	0	0	1.406	1.687	7.849	25.048	49.241	26.225
8.275	0	0	2.352	2.746	7.501	22.563	43.414	22.406
6.878	0	0	3.267	3.804	9.489	28.776	56.904	29.383
20.164	0	0	2.233	2.538	7.466	20.919	34.328	15.842
6.421	0	0	0.643	0.784	2.719	7.727	13.033	6.666
6.074	0	0	0.88	1.083	6.258	20.509	41.285	21.978
17.07	0	0	2.15	2.527	9.35	28.282	52.151	28.487
10.457	0	0	1.195	1.425	5.124	15.105	27.08	14.03
13-25	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**

pact

6.776	7.106	6.252	4.769	4.354	4.887	5.603	6.493	7.125
5.65	5.841	5.188	3.947	3.823	4.527	5.341	6.262	6.921
0.198	0.194	0.188	0.181	0.178	0.177	0.177	0.176	0.174
0.176	0.173	0.171	0.168	0.166	0.164	0.163	0.162	0.161
3.9	3.723	3.384	2.729	2.712	3.062	3.456	3.738	3.833
0.18	0.177	0.173	0.168	0.165	0.164	0.162	0.16	0.159
0.22	0.216	0.208	0.196	0.191	0.191	0.19	0.188	0.186
6.968	7.229	6.426	4.913	4.638	5.356	6.219	7.278	8.044
6.736	7.404	6.594	5.011	4.673	5.461	6.476	7.582	8.417
6.484	6.651	6.223	5.242	5.805	7.218	8.542	9.825	10.698
0.722	0.691	0.661	0.545	0.618	0.782	0.948	1.122	1.251
0.333	0.329	0.308	0.257	0.271	0.316	0.371	0.427	0.469
0.739	0.711	0.67	0.566	0.598	0.696	0.808	0.935	1.036
5.173	5.405	5.108	4.223	4.32	4.973	5.583	6.196	6.574
5.149	5.339	5.072	4.321	4.497	5.227	5.945	6.743	7.334
9.951	9.4	8.67	6.7	6.702	7.856	9.014	10.722	11.956
6.347	6.734	6.311	5.421	5.301	5.841	6.335	6.957	7.396
4.897	3.545	2.333	0.975	1.258	2.447	3.599	5.192	6.303
7.779	8.44	7.74	6.176	6.285	7.557	8.8	10.017	10.901
10.267	13.661	11.077	7.679	4.337	3.342	3.501	3.747	3.925
0	0	0	0	0	0	0	0	0
23.17	22.983	21.102	17.678	16.96	17.135	17.844	18.989	19.942
6.475	7.02	6.435	5.168	5.046	5.848	6.769	7.782	8.526
5.497	5.656	5.024	3.768	3.929	4.976	6.124	7.247	8.037
5.934	5.962	4.96	3.321	3.252	4.229	5.368	6.462	7.156
6.337	7.101	7.522	6.84	8.355	11.025	13.68	16.272	18.345
2.911	3.112	3.092	2.685	3.002	3.72	4.466	5.215	5.805
5.24	5.532	4.763	3.504	3.263	3.768	4.405	5.062	5.578
11.523	12.033	11.264	9.308	9.492	10.912	12.616	14.426	15.823
5.278	5.604	5.433	4.642	5.13	6.313	7.47	8.632	9.551
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**

% Impact

7.489	7.905	8.4	8.815	9.093	9.056	8.932	8.878	9.177
7.295	7.711	8.196	8.614	8.848	8.739	8.524	8.272	8.373
0.172	0.17	0.169	0.168	0.167	0.164	0.162	0.159	0.158
0.159	0.159	0.158	0.157	0.157	0.156	0.156	0.155	0.155
3.784	3.791	3.926	4.154	4.237	4.105	3.824	3.722	3.833
0.157	0.155	0.154	0.153	0.152	0.15	0.149	0.147	0.146
0.182	0.179	0.176	0.174	0.172	0.167	0.161	0.155	0.151
8.503	9.01	9.606	10.115	10.466	10.453	10.296	10.286	10.669
8.942	9.491	10.093	10.627	10.938	10.859	10.632	10.313	10.372
11.098	11.547	12.042	12.459	12.459	11.903	11.29	9.993	9.279
1.331	1.418	1.518	1.607	1.66	1.653	1.634	1.582	1.597
0.497	0.525	0.555	0.58	0.591	0.582	0.569	0.538	0.524
1.108	1.187	1.275	1.353	1.411	1.429	1.439	1.429	1.459
6.704	6.886	7.142	7.382	7.428	7.113	6.675	6.078	5.85
7.71	8.111	8.559	8.942	9.17	9.117	8.996	8.748	8.784
12.718	13.573	14.724	15.748	16.699	17.11	17.106	18.203	20.025
7.64	7.907	8.24	8.522	8.718	8.697	8.581	8.581	8.829
6.93	7.666	8.463	9.018	9.431	9.449	9.474	9.763	10.47
11.431	11.982	12.581	13.148	13.399	13.168	12.7	12.139	12.028
4.012	4.104	4.196	4.266	4.324	4.317	4.32	4.354	4.508
0	0	0	0	0	0	0	0	0
20.733	21.655	22.647	23.439	23.904	23.769	23.41	22.805	22.364
8.975	9.455	9.993	10.466	10.734	10.635	10.428	10.097	10.157
8.442	8.89	9.392	9.835	9.944	9.578	9.115	8.211	7.774
7.384	7.69	8.079	8.422	8.379	7.796	7.127	5.98	5.408
19.802	21.199	22.543	23.658	24.22	24.001	23.791	21.998	21.016
6.218	6.628	7.051	7.415	7.62	7.585	7.53	7.133	6.97
5.92	6.295	6.683	7.049	7.218	7.114	6.81	6.572	6.442
16.767	17.739	18.747	19.605	20.036	19.768	19.363	18.194	17.656
10.176	10.809	11.459	12.041	12.349	12.254	12.01	11.461	11.222
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**

Nat. Scienc	NATURAL SCIENCES, ENGINEERING & MATHEMATICS	18.002	7.403	12.67	0	0	2.843
	Occupations in Physical Sciences	8.706	2.216	3.616	0	0	2.042
	Chemists	6.858	2.036	3.194	0	0	1.494
	Geologists	9.009	1.827	3.556	0	0	2.517
	Physicists	11.115	0.912	2.161	0	0	2.796
	Meteorologists	4.607	0.675	0.955	0	0	1.234
	Phys science technologists&technicians	9.817	2.99	4.411	0	0	2.016
	Physical sciences, nec	7.787	0.664	2.18	0	0	2.293
	Occupations in Life Sciences	3.774	0.592	0.956	0	0	0.687
	Agriculturists & rltd scientists	3.702	0.649	0.752	0	0	0.322
	Biologists & rltd scientists	4.067	0.558	1.242	0	0	1.125
	Life science technologists&technicians	3.757	0.573	0.871	0	0	0.67
	Life sciences, nec	3.236	0.566	1.055	0	0	0.638
	Architects, Engineers & Community Planners	24.697	7.977	11.251	0	0	3.99
	Architects	31.028	2.074	4.243	0	0	7.423
	Chemical engineers	26.915	19.898	28.371	0	0	5.216
	Civil engineers	31.337	7.609	9.133	0	0	3.859
	Electrical engineers	20.911	7.215	10.678	0	0	3.522
	Industrial engineers	18.914	10.489	14.675	0	0	2.524
	Agricultural engineers	13.429	1.514	2.738	0	0	2.811
	Mechanical engineers	25.871	7.991	11.475	0	0	4.897
	Metallurgical engineers	18.505	10.87	14.811	0	0	2.651
	Mining engineers	7.83	2.946	4.671	0	0	1.93
	Petroleum engineers	14.531	39.974	68.723	0	0	2.011
	Aerospace engineers	20.063	20.59	15.019	0	0	2.813
	Nuclear engineers	22.407	1.918	2.987	0	0	4.156
	Community planners	18.032	3.871	10.245	0	0	2.192
	Professional engineers, nec	23.423	5.128	8.479	0	0	5.288
	Other Occupations in Architecture & Engineering	25.942	9.271	12.415	0	0	3.43
	Supervisors:oth occs in arch & engineer	23.9	7.786	11.233	0	0	4.415
	Surveyors	27.288	5.61	7.008	0	0	3.983
	Draughting	29.11	6.627	9.477	0	0	4.978
	Architectural technologist & technician	33.464	2.756	4.253	0	0	5.924
	Engineering technologists & technicians	22.616	13.125	17.374	0	0	1.841
	Oth occs in architecture&engineer, nec	29.292	11.633	14.831	0	0	3.428
	Occupations in Mathematics, Statistics, Systems Analysis & Related Fields	9.668	9.141	21.945	0	0	1.776
	Mathematician, statistician & actuaries	5.32	6.94	13.11	0	0	0.98
	Systems analysts, computer programmers	10.023	9.357	22.69	0	0	1.843
	Occs in math,stats,syst anal etc, nec	5.737	2.599	9.013	0	0	0.831
	Yukon Occupation Impact Debt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**

3.282	7.891	23.29	45.51	24.07	7.576	7.959	7.618	6.631	7.238	8.755	10.17	11.53	12.49
2.367	4.114	11.19	21.11	10.92	2.892	2.703	2.245	1.519	1.694	2.337	2.987	3.596	3.96
1.752	3.26	8.884	16.72	8.703	2.493	2.382	2.062	1.535	1.706	2.232	2.72	3.163	3.424
2.876	4.32	11.36	21.39	10.96	2.658	2.353	1.819	0.995	1.214	1.975	2.794	3.597	4.089
3.238	5.271	14.41	27.2	13.34	2.068	1.633	0.926	-0.07	0.028	0.707	1.513	2.233	2.659
1.468	2.291	6.016	10.99	5.576	1.338	1.077	0.684	0.142	0.142	0.395	0.716	1.015	1.184
2.353	4.56	12.72	24.12	12.65	3.634	3.518	3.053	2.283	2.456	3.122	3.765	4.354	4.704
2.608	3.811	9.935	18.33	9.012	1.554	1.194	0.648	-0.178	-0.05	0.605	1.396	2.171	2.664
0.831	1.741	4.94	9.462	4.824	0.89	0.825	0.621	0.317	0.309	0.484	0.702	0.905	1.03
0.415	1.52	4.8	9.813	5.162	0.804	0.859	0.709	0.479	0.396	0.461	0.573	0.685	0.757
1.332	2.071	5.364	9.636	4.735	1.025	0.828	0.558	0.156	0.23	0.535	0.885	1.202	1.396
0.811	1.726	4.911	9.427	4.821	0.882	0.812	0.601	0.295	0.278	0.44	0.643	0.835	0.951
0.772	1.544	4.28	8.002	4.036	0.81	0.751	0.59	0.331	0.355	0.545	0.767	0.972	1.102
4.614	10.35	31.05	62.95	33.54	8.894	9.073	8.2	6.712	7.024	8.414	9.728	10.97	11.75
8.591	14.3	40.1	77.08	37.88	5.36	4.155	2.124	-0.595	-0.529	1.057	3.011	4.771	5.772
6.023	11.31	31.84	66.66	38.85	18.63	19.67	19.94	19.56	21.68	24.82	26.72	28.45	29.46
4.48	12.38	39.33	82.16	43.25	8.69	9.116	7.971	6.243	6.076	7.102	8.184	9.185	9.774
4.076	8.98	26.53	52.69	28.05	8.062	8.154	7.392	6.061	6.433	7.762	9.015	10.2	10.96
2.933	7.698	23.33	48.32	27.23	10.16	10.87	10.71	10.02	10.69	12.16	13.19	14.2	14.85
3.27	6.166	17.56	33.58	16.66	2.688	2.357	1.587	0.474	0.505	1.189	2.013	2.748	3.185
5.662	11.14	32.42	65.19	34.55	9.186	9.124	8.145	6.538	6.993	8.638	10.12	11.49	12.31
3.043	7.104	21.72	47.54	27.5	10.108	10.97	11.02	10.75	11.54	13.07	13.94	14.84	15.39
2.196	3.611	9.581	18.95	10.34	3.31	3.275	2.97	2.439	2.703	3.408	4.07	4.737	5.124
2.281	4.11	11.54	35.06	30.15	30.387	35.17	39.83	45.21	51.7	57.72	59.97	63.84	66.82
3.492	9.369	26.2	44.79	33.91	28.785	26.75	21.79	14.34	11.42	9.973	10.84	12.2	13.39
4.793	9.705	28.67	56.79	28.48	3.724	3.327	2.074	0.351	0.185	1.025	2.131	3.129	3.707
2.526	8.168	24.9	46.57	22.47	4.219	4.574	4.155	2.988	3.439	4.924	6.594	8.181	9.402
6.104	10.66	29.91	57.87	29.69	6.959	6.43	5.214	3.355	3.718	5.253	6.868	8.373	9.29
3.971	10.4	32.3	67.13	36.3	9.734	10.28	9.565	8.261	8.524	9.839	11	12.11	12.81
5.098	10.15	29.75	60.35	32.17	8.661	8.735	7.932	6.573	7.042	8.559	9.913	11.19	11.95
4.611	11.1	34.39	70.83	36.96	6.951	7.043	5.873	4.179	4.047	5.023	6.115	7.13	7.718
5.759	12.32	36.87	74.4	38.6	8.152	8.086	6.852	4.964	5.132	6.591	8.08	9.451	10.28
6.863	14.36	43.11	85.95	42.82	5.397	4.864	3	0.456	0.175	1.391	3.02	4.494	5.353
2.149	8.489	27.56	59.26	33.94	12.267	13.54	13.5	12.89	13.43	14.78	15.68	16.63	17.29
3.969	11.27	35.82	76.47	42	11.695	12.59	11.97	10.8	11.11	12.48	13.57	14.65	15.31
2.024	5.676	14.95	22.42	10.77	7.798	8.662	9.394	9.058	10.77	13.42	15.86	18.25	20.18
1.155	2.9	7.483	12.24	7.002	6.042	6.595	7.054	7.006	7.989	9.381	10.47	11.53	12.37
2.098	5.903	15.55	23.24	11.09	7.974	8.864	9.62	9.263	11.04	13.79	16.33	18.84	20.85
0.965	3.3	9.167	14.01	5.904	2.128	2.529	2.766	2.439	3.129	4.38	5.713	6.981	8.003
2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**

12.99	13.53	14.09	14.58	14.65	14.18	13.65	12.39	11.71	18.002	7.403
4.044	4.177	4.358	4.52	4.428	4.013	3.552	2.769	2.338	8.706	2.216
3.485	3.581	3.713	3.837	3.78	3.491	3.149	2.627	2.347	6.858	2.036
4.198	4.369	4.596	4.79	4.636	4.045	3.413	2.284	1.637	9.009	1.827
2.731	2.863	3.059	3.229	3.09	2.568	2.029	1.008	0.42	11.115	0.912
1.205	1.26	1.347	1.414	1.345	1.104	0.853	0.416	0.158	4.607	0.675
4.788	4.923	5.108	5.278	5.206	4.821	4.383	3.657	3.273	9.817	2.99
2.791	2.981	3.223	3.426	3.282	2.707	2.1	0.961	0.304	7.787	0.664
1.065	1.116	1.183	1.242	1.225	1.108	0.985	0.75	0.627	3.774	0.592
0.783	0.817	0.86	0.897	0.899	0.853	0.804	0.708	0.67	3.702	0.649
1.446	1.52	1.62	1.706	1.664	1.463	1.253	0.841	0.608	4.067	0.558
0.978	1.023	1.085	1.14	1.121	1.007	0.883	0.665	0.554	3.757	0.573
1.147	1.205	1.279	1.343	1.334	1.228	1.118	0.89	0.772	3.236	0.566
11.99	12.31	12.71	13.04	12.92	12.18	11.36	9.903	9.088	24.697	7.977
5.856	6.117	6.543	6.912	6.478	5.038	3.536	0.846	-0.718	31.028	2.074
29.75	30.1	30.48	30.79	30.48	29.33	27.93	25.93	24.74	26.915	19.898
9.88	10.07	10.34	10.57	10.39	9.697	8.947	7.674	6.984	31.337	7.609
11.23	11.59	12.01	12.37	12.31	11.68	10.99	9.71	9.022	20.911	7.215
15.12	15.42	15.77	16.06	16.04	15.56	14.98	14	13.49	18.914	10.489
3.271	3.421	3.633	3.823	3.702	3.194	2.663	1.66	1.099	13.429	1.514
12.48	12.76	13.13	13.46	13.24	12.31	11.28	9.531	8.544	25.871	7.991
15.53	15.7	15.88	16.03	15.86	15.28	14.61	13.57	12.98	18.505	10.87
5.206	5.3	5.446	5.584	5.472	5.028	4.537	3.718	3.255	7.83	2.946
69.07	71.25	72.73	73.56	73.89	73.6	72.97	71.95	71.27	14.531	39.974
14.41	15.63	16.94	18	18.5	18.13	17.24	15.74	14.32	20.063	20.59
3.786	3.958	4.221	4.449	4.249	3.514	2.75	1.361	0.582	22.407	1.918
10.18	10.96	11.74	12.42	12.69	12.41	12.05	10.94	10.33	18.032	3.871
9.516	9.859	10.31	10.69	10.48	9.481	8.405	6.465	5.357	23.423	5.128
13.04	13.33	13.68	13.98	13.88	13.25	12.55	11.32	10.67	25.942	9.271
12.14	12.41	12.77	13.06	12.87	12.03	11.12	9.518	8.614	23.9	7.786
7.804	7.978	8.239	8.462	8.269	7.536	6.759	5.435	4.712	27.288	5.61
10.46	10.75	11.13	11.47	11.25	10.33	9.329	7.582	6.601	29.11	6.627
5.475	5.73	6.11	6.439	6.131	5.021	3.865	1.772	0.575	33.464	2.756
17.63	17.98	18.34	18.64	18.69	18.35	17.93	17.16	16.8	22.616	13.125
15.51	15.78	16.08	16.33	16.2	15.55	14.83	13.63	12.99	29.292	11.633
21.54	22.85	24.11	25.16	25.72	25.55	25.39	23.73	22.84	9.668	9.141
12.94	13.51	14.08	14.57	14.82	14.71	14.56	13.84	13.46	5.32	6.94
22.28	23.64	24.96	26.05	26.63	26.45	26.28	24.55	23.61	10.023	9.357
8.737	9.432	10.12	10.71	11.03	10.98	10.94	10.13	9.706	5.737	2.599
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**

13-25	2000	2001	2002	2003	2004	2005	2006	2007
12.67	0	0	2.843	3.282	7.891	23.291	45.51	24.07
3.616	0	0	2.042	2.367	4.114	11.191	21.108	10.924
3.194	0	0	1.494	1.752	3.26	8.884	16.724	8.703
3.556	0	0	2.517	2.876	4.32	11.359	21.386	10.956
2.161	0	0	2.796	3.238	5.271	14.409	27.2	13.336
0.955	0	0	1.234	1.468	2.291	6.016	10.985	5.576
4.411	0	0	2.016	2.353	4.56	12.716	24.115	12.652
2.18	0	0	2.293	2.608	3.811	9.935	18.329	9.012
0.956	0	0	0.687	0.831	1.741	4.94	9.462	4.824
0.752	0	0	0.322	0.415	1.52	4.8	9.813	5.162
1.242	0	0	1.125	1.332	2.071	5.364	9.636	4.735
0.871	0	0	0.67	0.811	1.726	4.911	9.427	4.821
1.055	0	0	0.638	0.772	1.544	4.28	8.002	4.036
11.251	0	0	3.99	4.614	10.354	31.052	62.952	33.544
4.243	0	0	7.423	8.591	14.303	40.098	77.079	37.88
28.371	0	0	5.216	6.023	11.306	31.838	66.655	38.851
9.133	0	0	3.859	4.48	12.383	39.328	82.161	43.251
10.678	0	0	3.522	4.076	8.98	26.534	52.69	28.054
14.675	0	0	2.524	2.933	7.698	23.329	48.323	27.23
2.738	0	0	2.811	3.27	6.166	17.563	33.575	16.66
11.475	0	0	4.897	5.662	11.135	32.417	65.186	34.548
14.811	0	0	2.651	3.043	7.104	21.724	47.541	27.498
4.671	0	0	1.93	2.196	3.611	9.581	18.95	10.339
68.723	0	0	2.011	2.281	4.11	11.535	35.062	30.149
15.019	0	0	2.813	3.492	9.369	26.196	44.789	33.906
2.987	0	0	4.156	4.793	9.705	28.673	56.785	28.481
10.245	0	0	2.192	2.526	8.168	24.904	46.571	22.471
8.479	0	0	5.288	6.104	10.661	29.91	57.873	29.686
12.415	0	0	3.43	3.971	10.404	32.304	67.133	36.295
11.233	0	0	4.415	5.098	10.148	29.749	60.354	32.173
7.008	0	0	3.983	4.611	11.102	34.386	70.826	36.956
9.477	0	0	4.978	5.759	12.321	36.866	74.397	38.595
4.253	0	0	5.924	6.863	14.362	43.109	85.945	42.821
17.374	0	0	1.841	2.149	8.489	27.564	59.262	33.943
14.831	0	0	3.428	3.969	11.268	35.823	76.471	41.997
21.945	0	0	1.776	2.024	5.676	14.951	22.42	10.772
13.11	0	0	0.98	1.155	2.9	7.483	12.238	7.002
22.69	0	0	1.843	2.098	5.903	15.553	23.243	11.091
9.013	0	0	0.831	0.965	3.3	9.167	14.01	5.904

7.576	7.959	7.618	6.631	7.238	8.755	10.167	11.531	12.494
2.892	2.703	2.245	1.519	1.694	2.337	2.987	3.596	3.96
2.493	2.382	2.062	1.535	1.706	2.232	2.72	3.163	3.424
2.658	2.353	1.819	0.995	1.214	1.975	2.794	3.597	4.089
2.068	1.633	0.926	-0.07	0.028	0.707	1.513	2.233	2.659
1.338	1.077	0.684	0.142	0.142	0.395	0.716	1.015	1.184
3.634	3.518	3.053	2.283	2.456	3.122	3.765	4.354	4.704
1.554	1.194	0.648	-0.178	-0.05	0.605	1.396	2.171	2.664
0.89	0.825	0.621	0.317	0.309	0.484	0.702	0.905	1.03
0.804	0.859	0.709	0.479	0.396	0.461	0.573	0.685	0.757
1.025	0.828	0.558	0.156	0.23	0.535	0.885	1.202	1.396
0.882	0.812	0.601	0.295	0.278	0.44	0.643	0.835	0.951
0.81	0.751	0.59	0.331	0.355	0.545	0.767	0.972	1.102
8.894	9.073	8.2	6.712	7.024	8.414	9.728	10.97	11.747
5.36	4.155	2.124	-0.595	-0.529	1.057	3.011	4.771	5.772
18.63	19.672	19.941	19.561	21.679	24.823	26.724	28.445	29.455
8.69	9.116	7.971	6.243	6.076	7.102	8.184	9.185	9.774
8.062	8.154	7.392	6.061	6.433	7.762	9.015	10.203	10.958
10.16	10.871	10.709	10.02	10.686	12.16	13.193	14.195	14.851
2.688	2.357	1.587	0.474	0.505	1.189	2.013	2.748	3.185
9.186	9.124	8.145	6.538	6.993	8.638	10.117	11.488	12.306
10.108	10.972	11.016	10.747	11.536	13.071	13.935	14.843	15.389
3.31	3.275	2.97	2.439	2.703	3.408	4.07	4.737	5.124
30.387	35.171	39.83	45.214	51.695	57.715	59.968	63.837	66.821
28.785	26.746	21.786	14.344	11.419	9.973	10.836	12.201	13.39
3.724	3.327	2.074	0.351	0.185	1.025	2.131	3.129	3.707
4.219	4.574	4.155	2.988	3.439	4.924	6.594	8.181	9.402
6.959	6.43	5.214	3.355	3.718	5.253	6.868	8.373	9.29
9.734	10.277	9.565	8.261	8.524	9.839	10.997	12.112	12.814
8.661	8.735	7.932	6.573	7.042	8.559	9.913	11.185	11.954
6.951	7.043	5.873	4.179	4.047	5.023	6.115	7.13	7.718
8.152	8.086	6.852	4.964	5.132	6.591	8.08	9.451	10.275
5.397	4.864	3	0.456	0.175	1.391	3.02	4.494	5.353
12.267	13.544	13.495	12.894	13.428	14.775	15.679	16.63	17.289
11.695	12.585	11.973	10.799	11.111	12.483	13.571	14.646	15.314
7.798	8.662	9.394	9.058	10.771	13.418	15.858	18.252	20.176
6.042	6.595	7.054	7.006	7.989	9.381	10.473	11.531	12.367
7.974	8.864	9.62	9.263	11.039	13.788	16.334	18.835	20.845
2.128	2.529	2.766	2.439	3.129	4.38	5.713	6.981	8.003
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**

12.993	13.525	14.094	14.576	14.654	14.178	13.645	12.392	11.713
4.044	4.177	4.358	4.52	4.428	4.013	3.552	2.769	2.338
3.485	3.581	3.713	3.837	3.78	3.491	3.149	2.627	2.347
4.198	4.369	4.596	4.79	4.636	4.045	3.413	2.284	1.637
2.731	2.863	3.059	3.229	3.09	2.568	2.029	1.008	0.42
1.205	1.26	1.347	1.414	1.345	1.104	0.853	0.416	0.158
4.788	4.923	5.108	5.278	5.206	4.821	4.383	3.657	3.273
2.791	2.981	3.223	3.426	3.282	2.707	2.1	0.961	0.304
1.065	1.116	1.183	1.242	1.225	1.108	0.985	0.75	0.627
0.783	0.817	0.86	0.897	0.899	0.853	0.804	0.708	0.67
1.446	1.52	1.62	1.706	1.664	1.463	1.253	0.841	0.608
0.978	1.023	1.085	1.14	1.121	1.007	0.883	0.665	0.554
1.147	1.205	1.279	1.343	1.334	1.228	1.118	0.89	0.772
11.989	12.313	12.706	13.042	12.916	12.178	11.356	9.903	9.088
5.856	6.117	6.543	6.912	6.478	5.038	3.536	0.846	-0.718
29.747	30.103	30.482	30.794	30.482	29.333	27.934	25.933	24.738
9.88	10.07	10.335	10.565	10.394	9.697	8.947	7.674	6.984
11.23	11.585	12.013	12.372	12.309	11.68	10.994	9.71	9.022
15.12	15.424	15.766	16.063	16.035	15.557	14.976	13.999	13.489
3.271	3.421	3.633	3.823	3.702	3.194	2.663	1.66	1.099
12.484	12.763	13.134	13.455	13.236	12.305	11.278	9.531	8.544
15.533	15.696	15.878	16.027	15.864	15.281	14.614	13.573	12.983
5.206	5.3	5.446	5.584	5.472	5.028	4.537	3.718	3.255
69.074	71.246	72.728	73.562	73.886	73.596	72.974	71.951	71.271
14.412	15.629	16.943	18.003	18.501	18.126	17.242	15.735	14.322
3.786	3.958	4.221	4.449	4.249	3.514	2.75	1.361	0.582
10.182	10.958	11.738	12.418	12.688	12.412	12.046	10.938	10.326
9.516	9.859	10.31	10.694	10.477	9.481	8.405	6.465	5.357
13.042	13.333	13.684	13.981	13.884	13.253	12.546	11.322	10.668
12.136	12.411	12.766	13.064	12.869	12.028	11.118	9.518	8.614
7.804	7.978	8.239	8.462	8.269	7.536	6.759	5.435	4.712
10.457	10.746	11.131	11.466	11.253	10.33	9.329	7.582	6.601
5.475	5.73	6.11	6.439	6.131	5.021	3.865	1.772	0.575
17.627	17.976	18.342	18.644	18.687	18.349	17.925	17.161	16.801
15.513	15.776	16.082	16.331	16.2	15.552	14.825	13.633	12.986
21.544	22.85	24.114	25.164	25.72	25.551	25.386	23.732	22.835
12.942	13.508	14.078	14.574	14.822	14.711	14.561	13.841	13.458
22.276	23.64	24.957	26.048	26.626	26.451	26.282	24.548	23.606
8.737	9.432	10.12	10.711	11.033	10.979	10.94	10.128	9.706
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**

		Average % Impact					
Social Scie	OCCUPATIONS IN SOCIAL SCIENCES & RELATED	8.831	1.572	3.457	0	0	2.376
	Occupations in Social Sciences	5.4	4.289	9.982	0	0	0.866
	Economists	7.392	6.868	14.315	0	0	1.036
	Sociologists, anthropologists & rltd	4.4	0.831	2.45	0	0	1.21
	Psychologists	0.584	0.409	0.89	0	0	0.118
	Social sciences, nec	7.199	3.2	13.294	0	0	1.46
	Occupations in Social Work & Related Fields	1.036	0.693	1.464	0	0	0.163
	Social workers	0.507	0.377	0.679	0	0	0.062
	Welfare & community services	1.582	1.005	2.088	0	0	0.258
	Social work & rltd fields, nec	1.412	1.029	3.575	0	0	0.313
	Occupations in Law & Jurisprudence	22.578	2.075	4.503	0	0	6.34
	Judges & magistrates	0.11	0.17	0.157	0	0	0
	Lawyers & notaries	25.161	2.276	4.911	0	0	7.059
	Law & jurisprudence, nec	20.481	1.968	4.571	0	0	5.766
	Occupations in Library, Museum & Archival Sciences	1.714	0.59	1.012	0	0	0.332
	Supervisors:library, museum&archiv sci	0.864	0.583	0.992	0	0	0.196
	Librarians, archivists & conservators	1.721	0.556	0.939	0	0	0.327
	Technicians in lib, museum&archivl sci	1.463	0.6	0.985	0	0	0.392
	Library, museum & archival science, nec	2.759	0.888	1.714	0	0	0.41
	Other Occupations in Social Sciences & Related Fields	0.711	0.463	1.238	0	0	0.142
	Educational & vocational counsellors	0.881	0.48	1.602	0	0	0.182
	Oth occs in soc sci& rltd fields, nec	0.508	0.443	0.811	0	0	0.094
Religion	RELIGION	2.413	1.023	1.939	0	0	0.345
	Ministers of religion	0.817	0.702	1.07	0	0	0.178
	Nuns & brothers	0.109	0.178	0.24	0	0	0.001
	Religion, nec	5.923	1.823	3.992	0	0	0.734
Teaching	TEACHING & RELATED	0.404	0.417	0.591	0	0	0.049
	University Teaching & Rltd Occupations	0.095	0.141	0.164	0	0	0
	University teachers	0.095	0.141	0.164	0	0	0
	University teaching & rltd, nec	0.095	0.141	0.164	0	0	0
	Elementary & Secondary School Teaching & Related Occupations	0.097	0.147	0.175	0	0	0
	Elementary & kindergarten teachers	0.098	0.15	0.185	0	0	0
	Secondary school teachers	0.095	0.142	0.164	0	0	0

% Impact

2.755	4.392	11.57	21.01	10.35	2.41	2.071	1.573	0.794	1.03	1.76	2.535	3.248	3.697
1.026	3.005	8.056	12.78	6.345	3.837	4.173	4.399	4.144	4.886	6.091	7.187	8.255	9.115
1.221	3.888	10.68	17.78	9.38	6.058	6.633	7.021	6.79	7.832	9.445	10.81	12.15	13.23
1.426	2.33	5.994	10.33	4.916	1.186	1.04	0.841	0.452	0.641	1.115	1.632	2.112	2.441
0.181	0.394	0.866	1.231	0.667	0.423	0.424	0.418	0.368	0.414	0.505	0.609	0.713	0.796
1.684	4.769	12.37	16.49	6.108	2.918	3.168	3.372	2.705	3.832	5.825	7.929	9.953	11.6
0.239	0.636	1.523	2.303	1.248	0.719	0.708	0.693	0.632	0.712	0.865	1.011	1.173	1.297
0.121	0.322	0.72	1.106	0.662	0.376	0.383	0.382	0.36	0.385	0.437	0.491	0.55	0.596
0.352	0.941	2.31	3.547	1.909	1.089	1.042	0.995	0.891	1.006	1.234	1.442	1.681	1.861
0.395	1.02	2.434	3.038	1.166	0.825	0.936	1.066	1.009	1.306	1.78	2.273	2.748	3.135
7.333	10.91	29.15	54.59	26.77	4.713	3.569	2.027	-0.074	0.243	1.741	3.434	4.948	5.808
0.047	0.117	0.151	0.167	0.173	0.174	0.172	0.17	0.169	0.167	0.165	0.164	0.162	0.161
8.164	12.14	32.47	60.9	29.87	5.231	3.947	2.221	-0.121	0.22	1.875	3.75	5.432	6.385
6.666	9.964	26.56	49.42	24.12	4.312	3.296	1.93	0.029	0.368	1.797	3.4	4.836	5.67
0.428	0.929	2.396	3.994	2.084	0.764	0.725	0.616	0.414	0.432	0.559	0.709	0.861	0.966
0.277	0.576	1.298	1.767	1.016	0.664	0.646	0.603	0.485	0.517	0.618	0.721	0.833	0.909
0.421	0.922	2.398	4.048	2.091	0.728	0.692	0.581	0.381	0.397	0.518	0.665	0.81	0.909
0.5	0.847	2.007	3.189	1.756	0.768	0.699	0.613	0.444	0.474	0.6	0.728	0.869	0.956
0.52	1.421	3.905	6.647	3.435	1.166	1.12	0.943	0.601	0.611	0.806	1.066	1.334	1.537
0.209	0.512	1.154	1.494	0.701	0.457	0.466	0.474	0.417	0.502	0.655	0.814	0.97	1.095
0.252	0.631	1.469	1.894	0.792	0.463	0.478	0.494	0.42	0.546	0.769	1.002	1.228	1.41
0.156	0.367	0.775	1.016	0.592	0.45	0.451	0.45	0.414	0.45	0.521	0.593	0.668	0.726
0.458	1.286	3.425	5.684	3.067	1.2	1.152	1.047	0.834	0.881	1.083	1.287	1.535	1.714
0.268	0.552	1.191	1.578	1.074	0.828	0.757	0.704	0.603	0.622	0.699	0.76	0.863	0.934
0.047	0.117	0.155	0.167	0.159	0.168	0.172	0.176	0.182	0.19	0.199	0.206	0.214	0.221
0.908	2.921	8.34	14.61	7.457	2.138	2.123	1.895	1.422	1.533	2.015	2.538	3.118	3.544
0.103	0.274	0.579	0.827	0.554	0.455	0.452	0.428	0.372	0.379	0.412	0.456	0.505	0.544
0.044	0.11	0.14	0.141	0.126	0.135	0.137	0.14	0.144	0.15	0.157	0.16	0.164	0.166
0.044	0.11	0.14	0.141	0.126	0.135	0.137	0.14	0.144	0.15	0.157	0.16	0.164	0.166
0.044	0.11	0.14	0.141	0.126	0.135	0.137	0.14	0.144	0.15	0.157	0.16	0.164	0.166
0.045	0.111	0.142	0.144	0.131	0.139	0.142	0.145	0.15	0.156	0.163	0.167	0.171	0.174
0.045	0.112	0.143	0.147	0.134	0.143	0.146	0.149	0.154	0.161	0.168	0.172	0.178	0.181
0.044	0.111	0.14	0.141	0.127	0.135	0.138	0.14	0.145	0.151	0.157	0.16	0.164	0.166

										Average % Imp	
3.835	4.025	4.266	4.477	4.418	4.019	3.594	2.762	2.3		8.831	1.572
9.722	10.32	10.91	11.44	11.72	11.67	11.54	10.95	10.65		5.4	4.289
14	14.76	15.5	16.15	16.5	16.43	16.25	15.5	15.11		7.392	6.868
2.592	2.761	2.955	3.123	3.134	2.944	2.751	2.265	2.001		4.4	0.831
0.853	0.911	0.973	1.026	1.057	1.057	1.056	1.007	0.989		0.584	0.409
12.79	13.93	15.05	16.02	16.55	16.49	16.34	15.18	14.55		7.199	3.2
1.381	1.47	1.565	1.645	1.701	1.716	1.733	1.709	1.728		1.036	0.693
0.631	0.668	0.709	0.745	0.773	0.787	0.802	0.801	0.818		0.507	0.377
1.977	2.102	2.236	2.346	2.422	2.439	2.457	2.436	2.474		1.582	1.005
3.417	3.689	3.961	4.199	4.339	4.353	4.373	4.116	3.993		1.412	1.029
5.884	6.11	6.478	6.796	6.426	5.195	3.908	1.598	0.249		22.578	2.075
0.159	0.158	0.156	0.155	0.154	0.153	0.151	0.15	0.149		0.11	0.17
6.463	6.71	7.115	7.466	7.048	5.666	4.217	1.63	0.115		25.161	2.276
5.784	6.03	6.402	6.725	6.417	5.319	4.17	2.069	0.846		20.481	1.968
1.02	1.082	1.156	1.219	1.237	1.189	1.129	1.029	0.989		1.714	0.59
0.949	0.997	1.059	1.116	1.151	1.142	1.122	1.111	1.151		0.864	0.583
0.959	1.018	1.086	1.143	1.154	1.101	1.039	0.927	0.872		1.721	0.556
0.988	1.032	1.095	1.149	1.168	1.123	1.066	1.004	1.02		1.463	0.6
1.665	1.801	1.95	2.081	2.143	2.101	2.025	1.892	1.838		2.759	0.888
1.183	1.271	1.362	1.443	1.492	1.493	1.486	1.418	1.392		0.711	0.463
1.54	1.666	1.793	1.907	1.969	1.962	1.941	1.828	1.772		0.881	0.48
0.766	0.809	0.856	0.9	0.931	0.94	0.948	0.932	0.942		0.508	0.443
1.821	1.943	2.084	2.197	2.278	2.285	2.288	2.288	2.371		2.413	1.023
0.974	1.027	1.096	1.149	1.201	1.222	1.239	1.31	1.42		0.817	0.702
0.227	0.234	0.241	0.247	0.253	0.258	0.264	0.273	0.283		0.109	0.178
3.806	4.088	4.399	4.654	4.811	4.794	4.771	4.635	4.687		5.923	1.823
0.573	0.602	0.634	0.659	0.673	0.67	0.663	0.643	0.636		0.404	0.417
0.167	0.169	0.169	0.168	0.166	0.163	0.16	0.16	0.16		0.095	0.141
0.167	0.169	0.169	0.168	0.166	0.163	0.16	0.16	0.16		0.095	0.141
0.167	0.169	0.169	0.168	0.166	0.163	0.16	0.16	0.16		0.095	0.141
0.176	0.178	0.18	0.179	0.179	0.177	0.175	0.177	0.178		0.097	0.147
0.184	0.187	0.189	0.189	0.19	0.189	0.188	0.191	0.193		0.098	0.15
0.167	0.169	0.169	0.168	0.166	0.163	0.16	0.16	0.16		0.095	0.142

act

3.457	0	0	2.376	2.755	4.392	11.571	21.005	10.348
9.982	0	0	0.866	1.026	3.005	8.056	12.777	6.345
14.315	0	0	1.036	1.221	3.888	10.682	17.784	9.38
2.45	0	0	1.21	1.426	2.33	5.994	10.331	4.916
0.89	0	0	0.118	0.181	0.394	0.866	1.231	0.667
13.294	0	0	1.46	1.684	4.769	12.37	16.488	6.108
1.464	0	0	0.163	0.239	0.636	1.523	2.303	1.248
0.679	0	0	0.062	0.121	0.322	0.72	1.106	0.662
2.088	0	0	0.258	0.352	0.941	2.31	3.547	1.909
3.575	0	0	0.313	0.395	1.02	2.434	3.038	1.166
4.503	0	0	6.34	7.333	10.907	29.146	54.589	26.768
0.157	0	0	0	0.047	0.117	0.151	0.167	0.173
4.911	0	0	7.059	8.164	12.135	32.465	60.895	29.873
4.571	0	0	5.766	6.666	9.964	26.556	49.417	24.123
1.012	0	0	0.332	0.428	0.929	2.396	3.994	2.084
0.992	0	0	0.196	0.277	0.576	1.298	1.767	1.016
0.939	0	0	0.327	0.421	0.922	2.398	4.048	2.091
0.985	0	0	0.392	0.5	0.847	2.007	3.189	1.756
1.714	0	0	0.41	0.52	1.421	3.905	6.647	3.435
1.238	0	0	0.142	0.209	0.512	1.154	1.494	0.701
1.602	0	0	0.182	0.252	0.631	1.469	1.894	0.792
0.811	0	0	0.094	0.156	0.367	0.775	1.016	0.592
1.939	0	0	0.345	0.458	1.286	3.425	5.684	3.067
1.07	0	0	0.178	0.268	0.552	1.191	1.578	1.074
0.24	0	0	0.001	0.047	0.117	0.155	0.167	0.159
3.992	0	0	0.734	0.908	2.921	8.34	14.611	7.457
0.591	0	0	0.049	0.103	0.274	0.579	0.827	0.554
0.164	0	0	0	0.044	0.11	0.14	0.141	0.126
0.164	0	0	0	0.044	0.11	0.14	0.141	0.126
0.164	0	0	0	0.044	0.11	0.14	0.141	0.126
0.175	0	0	0	0.045	0.111	0.142	0.144	0.131
0.185	0	0	0	0.045	0.112	0.143	0.147	0.134
0.164	0	0	0	0.044	0.111	0.14	0.141	0.127

% Impact

2.41	2.071	1.573	0.794	1.03	1.76	2.535	3.248	3.697
3.837	4.173	4.399	4.144	4.886	6.091	7.187	8.255	9.115
6.058	6.633	7.021	6.79	7.832	9.445	10.806	12.149	13.232
1.186	1.04	0.841	0.452	0.641	1.115	1.632	2.112	2.441
0.423	0.424	0.418	0.368	0.414	0.505	0.609	0.713	0.796
2.918	3.168	3.372	2.705	3.832	5.825	7.929	9.953	11.598
0.719	0.708	0.693	0.632	0.712	0.865	1.011	1.173	1.297
0.376	0.383	0.382	0.36	0.385	0.437	0.491	0.55	0.596
1.089	1.042	0.995	0.891	1.006	1.234	1.442	1.681	1.861
0.825	0.936	1.066	1.009	1.306	1.78	2.273	2.748	3.135
4.713	3.569	2.027	-0.074	0.243	1.741	3.434	4.948	5.808
0.174	0.172	0.17	0.169	0.167	0.165	0.164	0.162	0.161
5.231	3.947	2.221	-0.121	0.22	1.875	3.75	5.432	6.385
4.312	3.296	1.93	0.029	0.368	1.797	3.4	4.836	5.67
0.764	0.725	0.616	0.414	0.432	0.559	0.709	0.861	0.966
0.664	0.646	0.603	0.485	0.517	0.618	0.721	0.833	0.909
0.728	0.692	0.581	0.381	0.397	0.518	0.665	0.81	0.909
0.768	0.699	0.613	0.444	0.474	0.6	0.728	0.869	0.956
1.166	1.12	0.943	0.601	0.611	0.806	1.066	1.334	1.537
0.457	0.466	0.474	0.417	0.502	0.655	0.814	0.97	1.095
0.463	0.478	0.494	0.42	0.546	0.769	1.002	1.228	1.41
0.45	0.451	0.45	0.414	0.45	0.521	0.593	0.668	0.726
1.2	1.152	1.047	0.834	0.881	1.083	1.287	1.535	1.714
0.828	0.757	0.704	0.603	0.622	0.699	0.76	0.863	0.934
0.168	0.172	0.176	0.182	0.19	0.199	0.206	0.214	0.221
2.138	2.123	1.895	1.422	1.533	2.015	2.538	3.118	3.544
0.455	0.452	0.428	0.372	0.379	0.412	0.456	0.505	0.544
0.135	0.137	0.14	0.144	0.15	0.157	0.16	0.164	0.166
0.135	0.137	0.14	0.144	0.15	0.157	0.16	0.164	0.166
0.135	0.137	0.14	0.144	0.15	0.157	0.16	0.164	0.166
0.139	0.142	0.145	0.15	0.156	0.163	0.167	0.171	0.174
0.143	0.146	0.149	0.154	0.161	0.168	0.172	0.178	0.181
0.135	0.138	0.14	0.145	0.151	0.157	0.16	0.164	0.166

3.835	4.025	4.266	4.477	4.418	4.019	3.594	2.762	2.3
9.722	10.316	10.911	11.435	11.717	11.665	11.543	10.951	10.645
14.003	14.755	15.5	16.151	16.503	16.426	16.25	15.497	15.106
2.592	2.761	2.955	3.123	3.134	2.944	2.751	2.265	2.001
0.853	0.911	0.973	1.026	1.057	1.057	1.056	1.007	0.989
12.786	13.93	15.051	16.023	16.554	16.487	16.338	15.178	14.546
1.381	1.47	1.565	1.645	1.701	1.716	1.733	1.709	1.728
0.631	0.668	0.709	0.745	0.773	0.787	0.802	0.801	0.818
1.977	2.102	2.236	2.346	2.422	2.439	2.457	2.436	2.474
3.417	3.689	3.961	4.199	4.339	4.353	4.373	4.116	3.993
5.884	6.11	6.478	6.796	6.426	5.195	3.908	1.598	0.249
0.159	0.158	0.156	0.155	0.154	0.153	0.151	0.15	0.149
6.463	6.71	7.115	7.466	7.048	5.666	4.217	1.63	0.115
5.784	6.03	6.402	6.725	6.417	5.319	4.17	2.069	0.846
1.02	1.082	1.156	1.219	1.237	1.189	1.129	1.029	0.989
0.949	0.997	1.059	1.116	1.151	1.142	1.122	1.111	1.151
0.959	1.018	1.086	1.143	1.154	1.101	1.039	0.927	0.872
0.988	1.032	1.095	1.149	1.168	1.123	1.066	1.004	1.02
1.665	1.801	1.95	2.081	2.143	2.101	2.025	1.892	1.838
1.183	1.271	1.362	1.443	1.492	1.493	1.486	1.418	1.392
1.54	1.666	1.793	1.907	1.969	1.962	1.941	1.828	1.772
0.766	0.809	0.856	0.9	0.931	0.94	0.948	0.932	0.942
1.821	1.943	2.084	2.197	2.278	2.285	2.288	2.288	2.371
0.974	1.027	1.096	1.149	1.201	1.222	1.239	1.31	1.42
0.227	0.234	0.241	0.247	0.253	0.258	0.264	0.273	0.283
3.806	4.088	4.399	4.654	4.811	4.794	4.771	4.635	4.687
0.573	0.602	0.634	0.659	0.673	0.67	0.663	0.643	0.636
0.167	0.169	0.169	0.168	0.166	0.163	0.16	0.16	0.16
0.167	0.169	0.169	0.168	0.166	0.163	0.16	0.16	0.16
0.167	0.169	0.169	0.168	0.166	0.163	0.16	0.16	0.16
0.176	0.178	0.18	0.179	0.179	0.177	0.175	0.177	0.178
0.184	0.187	0.189	0.189	0.19	0.189	0.188	0.191	0.193
0.167	0.169	0.169	0.168	0.166	0.163	0.16	0.16	0.16

	Elem&secondry school teach&rltd occs,ne	0.096	0.145	0.169	0	0	0

	Yukon Occupation Impact Debt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
		Average % Impact					
	Other Teaching & Related Occupations	1.519	1.401	2.091	0	0	0.225
	Community college & vocational teachers	0.313	0.245	0.471	0	0	0.033
	Fine arts teachers, nec	1.335	0.802	1.47	0	0	0.216
	Post-secondary school teachers, nec	0.331	0.191	0.341	0	0	0.064
	Teachers of exceptional students, nec	0.251	0.291	0.522	0	0	0.03
	Instructors & training officers, nec	6.607	5.931	7.662	0	0	0.942
	Oth teaching & rltd, nec	1.221	1.88	3.266	0	0	0.218
Medicine &	MEDICINE & HEALTH	1.438	1.328	2.129	0	0	0.3
	Health Diagnosing & Treating Occupations	0.394	0.372	0.557	0	0	0.061
	Physicians & surgeons	0.314	0.297	0.392	0	0	0.041
	Dentists	0.273	0.382	0.623	0	0	0.002
	Veterinarians	0.144	0.219	0.267	0	0	0.02
	Osteopaths & chiropractors	0.415	0.512	0.843	0	0	0.001
	Health diagnosing & treating, nec	0.875	0.745	1.346	0	0	0.182
	Nursing, Therapy & Related Assisting Occupations	0.761	0.623	1.126	0	0	0.08
	Supervisors:nursing,therap&rltd ass.occ	0.354	0.366	0.742	0	0	0.056
	Nurses, registered, grad&in-training	0.492	0.574	1.03	0	0	0.064
	Orderlies	0.313	0.343	0.706	0	0	0.042
	Registered nursing assistants	0.625	1.354	2.099	0	0	0.077
	Nursing attendants	1.556	0.607	1.111	0	0	0.092
	Audio & speech therapists	0.208	0.317	0.448	0	0	0.029
	Physiotherapists	0.715	0.59	0.945	0	0	0.127
	Occupational therapists	0.507	0.36	0.547	0	0	0.098
	Nursing, therapy & rltd ass.occs, nec	0.733	0.648	1.384	0	0	0.134
	Other Occupations in Medicine & Health	4.244	4.318	6.551	0	0	1.168
	Pharmacists	8.316	12.1	19.74	0	0	2.689
	Dietitians & nutritionists	3.928	2.176	3.779	0	0	0.841
	Optometrists	4.593	6.322	9.525	0	0	1.417
	Dispensing opticians	8.356	12.011	19.029	0	0	2.724
	Radiological technologists&technicians	2.14	0.586	0.911	0	0	0.203
	Medical lab technologists&technicians	2.88	1.324	2.015	0	0	0.614
	Denturists	0.328	0.329	0.496	0	0	0.094
	Dental hygienists & dental assistants	0.883	0.55	1.199	0	0	0.18
	Dental laboratory technicians	0.113	0.069	0.173	0	0	0.033
	Respiratory technicians	0.232	0.305	0.684	0	0	0.025
	Oth medicine & health, nec	4.935	5.842	8.989	0	0	1.437

Yukon Occupation Impact Debt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
	Average % Impact					

0.045	0.111	0.141	0.143	0.13	0.138	0.141	0.144	0.148	0.154	0.16	0.164	0.168	0.17

2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
									% Impact				
0.313	0.864	2.17	3.313	2.095	1.604	1.58	1.456	1.177	1.186	1.314	1.501	1.711	1.879
0.083	0.234	0.479	0.654	0.366	0.24	0.249	0.25	0.232	0.255	0.3	0.347	0.395	0.432
0.306	0.796	1.967	2.927	1.682	0.929	0.893	0.83	0.661	0.693	0.827	0.972	1.147	1.279
0.117	0.242	0.477	0.684	0.376	0.205	0.198	0.191	0.172	0.191	0.229	0.267	0.305	0.332
0.081	0.209	0.387	0.469	0.309	0.285	0.29	0.293	0.281	0.304	0.343	0.385	0.429	0.465
1.176	3.476	9.404	14.73	9.555	7.446	7.16	6.238	4.554	4.261	4.522	5.242	6.084	6.771
0.3	0.712	1.657	2.62	1.726	1.666	1.785	1.901	1.913	2.136	2.441	2.662	2.892	3.07
0.415	0.878	2.029	2.897	1.989	1.45	1.397	1.362	1.197	1.236	1.385	1.515	1.708	1.847
0.12	0.28	0.576	0.784	0.521	0.4	0.389	0.374	0.341	0.355	0.39	0.428	0.471	0.504
0.096	0.233	0.46	0.624	0.415	0.321	0.314	0.3	0.273	0.279	0.301	0.325	0.35	0.368
0.06	0.18	0.366	0.54	0.457	0.4	0.385	0.376	0.366	0.381	0.404	0.44	0.477	0.508
0.058	0.127	0.209	0.234	0.223	0.231	0.226	0.223	0.208	0.207	0.214	0.22	0.233	0.243
0.067	0.23	0.561	0.888	0.701	0.572	0.532	0.501	0.468	0.486	0.52	0.581	0.64	0.687
0.271	0.579	1.289	1.759	1.111	0.807	0.772	0.752	0.672	0.722	0.834	0.941	1.075	1.176
0.143	0.431	1.047	1.74	1.043	0.59	0.621	0.633	0.611	0.66	0.748	0.833	0.922	0.996
0.115	0.266	0.526	0.695	0.439	0.347	0.358	0.37	0.36	0.397	0.459	0.522	0.589	0.645
0.124	0.322	0.693	1.041	0.672	0.531	0.558	0.58	0.574	0.628	0.712	0.786	0.864	0.928
0.098	0.257	0.504	0.609	0.35	0.314	0.332	0.349	0.341	0.379	0.439	0.505	0.568	0.621
0.141	0.343	0.719	1.312	1.087	1.168	1.259	1.355	1.424	1.562	1.717	1.8	1.888	1.961
0.158	0.725	2.084	3.897	2.125	0.604	0.657	0.634	0.566	0.574	0.653	0.751	0.856	0.943
0.084	0.182	0.295	0.326	0.311	0.324	0.319	0.32	0.308	0.315	0.334	0.349	0.373	0.392
0.205	0.458	1.021	1.482	0.938	0.624	0.61	0.592	0.547	0.578	0.645	0.706	0.778	0.834
0.165	0.337	0.704	1.042	0.656	0.407	0.383	0.358	0.32	0.333	0.372	0.41	0.457	0.491
0.209	0.491	1.091	1.495	0.882	0.644	0.65	0.654	0.611	0.679	0.801	0.928	1.066	1.179
1.492	2.692	6.079	7.839	6	5.05	4.662	4.447	3.701	3.72	4.152	4.5	5.153	5.59
3.431	5.805	12.19	13	12.55	13.832	12.79	12.45	10.59	10.74	11.98	12.94	14.88	16.22
1.09	2.229	5.54	8.612	5.018	2.615	2.377	2.146	1.806	1.939	2.282	2.594	3.011	3.309
1.839	3.174	6.718	7.28	6.866	7.336	6.743	6.498	5.503	5.52	6.069	6.493	7.38	7.976
3.462	5.83	12.21	13.01	12.55	13.799	12.74	12.37	10.49	10.59	11.78	12.68	14.54	15.82
0.281	0.951	2.828	5.524	2.96	0.656	0.694	0.624	0.489	0.468	0.548	0.656	0.769	0.851
0.774	1.54	3.937	6.524	3.762	1.64	1.522	1.367	1.04	1.048	1.245	1.441	1.69	1.851
0.14	0.221	0.424	0.547	0.484	0.438	0.361	0.329	0.264	0.262	0.296	0.333	0.387	0.428
0.26	0.545	1.276	1.907	1.044	0.579	0.571	0.556	0.49	0.554	0.678	0.815	0.949	1.052
0.057	0.072	0.111	0.21	0.174	0.124	0.077	0.062	0.042	0.045	0.065	0.09	0.12	0.144
0.075	0.208	0.383	0.433	0.261	0.268	0.289	0.31	0.309	0.348	0.411	0.479	0.545	0.603
1.842	3.253	7.15	8.588	7.165	6.754	6.248	6.016	5.069	5.104	5.668	6.108	6.985	7.579
2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
									% Impact				

0.172	0.173	0.174	0.173	0.172	0.17	0.168	0.168	0.169	0.096	0.145
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**
									Average % Im	
2.002	2.131	2.27	2.387	2.457	2.45	2.423	2.331	2.293	1.519	1.401
0.459	0.486	0.512	0.534	0.546	0.543	0.538	0.517	0.507	0.313	0.245
1.367	1.462	1.573	1.669	1.739	1.75	1.737	1.746	1.81	1.335	0.802
0.346	0.362	0.378	0.39	0.392	0.382	0.37	0.344	0.33	0.331	0.191
0.493	0.522	0.551	0.576	0.595	0.602	0.609	0.603	0.607	0.251	0.291
7.299	7.863	8.464	8.962	9.248	9.194	9.036	8.545	8.252	6.607	5.931
3.192	3.313	3.443	3.552	3.619	3.616	3.611	3.514	3.489	1.221	1.88
1.935	2.038	2.175	2.295	2.408	2.46	2.488	2.61	2.822	1.438	1.328
0.525	0.549	0.578	0.603	0.623	0.631	0.631	0.643	0.668	0.394	0.372
0.378	0.391	0.406	0.42	0.429	0.43	0.425	0.428	0.439	0.314	0.297
0.539	0.571	0.608	0.646	0.686	0.729	0.745	0.832	0.911	0.273	0.382
0.249	0.256	0.266	0.275	0.285	0.292	0.296	0.313	0.337	0.144	0.219
0.73	0.774	0.828	0.881	0.935	0.992	0.992	1.136	1.263	0.415	0.512
1.244	1.32	1.409	1.485	1.548	1.573	1.593	1.613	1.682	0.875	0.745
1.052	1.111	1.174	1.232	1.277	1.3	1.323	1.322	1.347	0.761	0.623
0.688	0.733	0.78	0.823	0.856	0.873	0.891	0.889	0.905	0.354	0.366
0.977	1.026	1.079	1.126	1.161	1.175	1.189	1.179	1.19	0.492	0.574
0.664	0.706	0.749	0.789	0.816	0.828	0.84	0.827	0.83	0.313	0.343
2.017	2.077	2.141	2.202	2.25	2.278	2.304	2.314	2.345	0.625	1.354
1.009	1.08	1.157	1.229	1.288	1.324	1.36	1.376	1.422	1.556	0.607
0.407	0.424	0.445	0.464	0.486	0.501	0.514	0.546	0.588	0.208	0.317
0.873	0.921	0.976	1.026	1.066	1.085	1.105	1.114	1.152	0.715	0.59
0.512	0.537	0.568	0.595	0.616	0.623	0.63	0.638	0.664	0.507	0.36
1.264	1.356	1.455	1.545	1.615	1.654	1.695	1.695	1.733	0.733	0.648
5.833	6.135	6.595	6.992	7.407	7.606	7.669	8.323	9.355	4.244	4.318
17.03	18	19.51	20.83	22.39	23.47	24.15	27.05	31.16	8.316	12.1
3.491	3.724	3.996	4.21	4.382	4.425	4.494	4.515	4.695	3.928	2.176
8.323	8.745	9.409	9.989	10.65	11.08	11.25	12.5	14.26	4.593	6.322
16.55	17.41	18.79	19.99	21.42	22.41	22.92	25.54	29.33	8.356	12.011
0.898	0.948	1.005	1.056	1.08	1.06	1.036	0.976	0.964	2.14	0.586
1.923	2.017	2.154	2.274	2.352	2.323	2.257	2.262	2.407	2.88	1.324
0.452	0.473	0.502	0.53	0.558	0.575	0.566	0.606	0.672	0.328	0.329
1.122	1.197	1.279	1.357	1.409	1.426	1.426	1.414	1.441	0.883	0.55
0.161	0.174	0.187	0.199	0.21	0.216	0.211	0.213	0.226	0.113	0.069
0.649	0.692	0.735	0.774	0.8	0.809	0.819	0.795	0.787	0.232	0.305
7.922	8.342	8.986	9.541	10.15	10.49	10.65	11.67	13.2	4.935	5.842
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**
									Average % Im	

0.169	0	0	0	0.045	0.111	0.141	0.143	0.13
13-25 **act**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
2.091	0	0	0.225	0.313	0.864	2.17	3.313	2.095
0.471	0	0	0.033	0.083	0.234	0.479	0.654	0.366
1.47	0	0	0.216	0.306	0.796	1.967	2.927	1.682
0.341	0	0	0.064	0.117	0.242	0.477	0.684	0.376
0.522	0	0	0.03	0.081	0.209	0.387	0.469	0.309
7.662	0	0	0.942	1.176	3.476	9.404	14.732	9.555
3.266	0	0	0.218	0.3	0.712	1.657	2.62	1.726
2.129	0	0	0.3	0.415	0.878	2.029	2.897	1.989
0.557	0	0	0.061	0.12	0.28	0.576	0.784	0.521
0.392	0	0	0.041	0.096	0.233	0.46	0.624	0.415
0.623	0	0	0.002	0.06	0.18	0.366	0.54	0.457
0.267	0	0	0.02	0.058	0.127	0.209	0.234	0.223
0.843	0	0	0.001	0.067	0.23	0.561	0.888	0.701
1.346	0	0	0.182	0.271	0.579	1.289	1.759	1.111
1.126	0	0	0.08	0.143	0.431	1.047	1.74	1.043
0.742	0	0	0.056	0.115	0.266	0.526	0.695	0.439
1.03	0	0	0.064	0.124	0.322	0.693	1.041	0.672
0.706	0	0	0.042	0.098	0.257	0.504	0.609	0.35
2.099	0	0	0.077	0.141	0.343	0.719	1.312	1.087
1.111	0	0	0.092	0.158	0.725	2.084	3.897	2.125
0.448	0	0	0.029	0.084	0.182	0.295	0.326	0.311
0.945	0	0	0.127	0.205	0.458	1.021	1.482	0.938
0.547	0	0	0.098	0.165	0.337	0.704	1.042	0.656
1.384	0	0	0.134	0.209	0.491	1.091	1.495	0.882
6.551	0	0	1.168	1.492	2.692	6.079	7.839	6
19.74	0	0	2.689	3.431	5.805	12.192	12.999	12.545
3.779	0	0	0.841	1.09	2.229	5.54	8.612	5.018
9.525	0	0	1.417	1.839	3.174	6.718	7.28	6.866
19.029	0	0	2.724	3.462	5.83	12.212	13.005	12.551
0.911	0	0	0.203	0.281	0.951	2.828	5.524	2.96
2.015	0	0	0.614	0.774	1.54	3.937	6.524	3.762
0.496	0	0	0.094	0.14	0.221	0.424	0.547	0.484
1.199	0	0	0.18	0.26	0.545	1.276	1.907	1.044
0.173	0	0	0.033	0.057	0.072	0.111	0.21	0.174
0.684	0	0	0.025	0.075	0.208	0.383	0.433	0.261
8.989	0	0	1.437	1.842	3.253	7.15	8.588	7.165
13-25 **act**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**

0.138	0.141	0.144	0.148	0.154	0.16	0.164	0.168	0.17
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**

% Impact

1.604	1.58	1.456	1.177	1.186	1.314	1.501	1.711	1.879
0.24	0.249	0.25	0.232	0.255	0.3	0.347	0.395	0.432
0.929	0.893	0.83	0.661	0.693	0.827	0.972	1.147	1.279
0.205	0.198	0.191	0.172	0.191	0.229	0.267	0.305	0.332
0.285	0.29	0.293	0.281	0.304	0.343	0.385	0.429	0.465
7.446	7.16	6.238	4.554	4.261	4.522	5.242	6.084	6.771
1.666	1.785	1.901	1.913	2.136	2.441	2.662	2.892	3.07
1.45	1.397	1.362	1.197	1.236	1.385	1.515	1.708	1.847
0.4	0.389	0.374	0.341	0.355	0.39	0.428	0.471	0.504
0.321	0.314	0.3	0.273	0.279	0.301	0.325	0.35	0.368
0.4	0.385	0.376	0.366	0.381	0.404	0.44	0.477	0.508
0.231	0.226	0.223	0.208	0.207	0.214	0.22	0.233	0.243
0.572	0.532	0.501	0.468	0.486	0.52	0.581	0.64	0.687
0.807	0.772	0.752	0.672	0.722	0.834	0.941	1.075	1.176
0.59	0.621	0.633	0.611	0.66	0.748	0.833	0.922	0.996
0.347	0.358	0.37	0.36	0.397	0.459	0.522	0.589	0.645
0.531	0.558	0.58	0.574	0.628	0.712	0.786	0.864	0.928
0.314	0.332	0.349	0.341	0.379	0.439	0.505	0.568	0.621
1.168	1.259	1.355	1.424	1.562	1.717	1.8	1.888	1.961
0.604	0.657	0.634	0.566	0.574	0.653	0.751	0.856	0.943
0.324	0.319	0.32	0.308	0.315	0.334	0.349	0.373	0.392
0.624	0.61	0.592	0.547	0.578	0.645	0.706	0.778	0.834
0.407	0.383	0.358	0.32	0.333	0.372	0.41	0.457	0.491
0.644	0.65	0.654	0.611	0.679	0.801	0.928	1.066	1.179
5.05	4.662	4.447	3.701	3.72	4.152	4.5	5.153	5.59
13.832	12.791	12.448	10.594	10.742	11.983	12.936	14.881	16.215
2.615	2.377	2.146	1.806	1.939	2.282	2.594	3.011	3.309
7.336	6.743	6.498	5.503	5.52	6.069	6.493	7.38	7.976
13.799	12.735	12.367	10.494	10.593	11.776	12.683	14.543	15.815
0.656	0.694	0.624	0.489	0.468	0.548	0.656	0.769	0.851
1.64	1.522	1.367	1.04	1.048	1.245	1.441	1.69	1.851
0.438	0.361	0.329	0.264	0.262	0.296	0.333	0.387	0.428
0.579	0.571	0.556	0.49	0.554	0.678	0.815	0.949	1.052
0.124	0.077	0.062	0.042	0.045	0.065	0.09	0.12	0.144
0.268	0.289	0.31	0.309	0.348	0.411	0.479	0.545	0.603
6.754	6.248	6.016	5.069	5.104	5.668	6.108	6.985	7.579
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**

% Impact

0.172	0.173	0.174	0.173	0.172	0.17	0.168	0.168	0.169
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
2.002	2.131	2.27	2.387	2.457	2.45	2.423	2.331	2.293
0.459	0.486	0.512	0.534	0.546	0.543	0.538	0.517	0.507
1.367	1.462	1.573	1.669	1.739	1.75	1.737	1.746	1.81
0.346	0.362	0.378	0.39	0.392	0.382	0.37	0.344	0.33
0.493	0.522	0.551	0.576	0.595	0.602	0.609	0.603	0.607
7.299	7.863	8.464	8.962	9.248	9.194	9.036	8.545	8.252
3.192	3.313	3.443	3.552	3.619	3.616	3.611	3.514	3.489
1.935	2.038	2.175	2.295	2.408	2.46	2.488	2.61	2.822
0.525	0.549	0.578	0.603	0.623	0.631	0.631	0.643	0.668
0.378	0.391	0.406	0.42	0.429	0.43	0.425	0.428	0.439
0.539	0.571	0.608	0.646	0.686	0.729	0.745	0.832	0.911
0.249	0.256	0.266	0.275	0.285	0.292	0.296	0.313	0.337
0.73	0.774	0.828	0.881	0.935	0.992	0.992	1.136	1.263
1.244	1.32	1.409	1.485	1.548	1.573	1.593	1.613	1.682
1.052	1.111	1.174	1.232	1.277	1.3	1.323	1.322	1.347
0.688	0.733	0.78	0.823	0.856	0.873	0.891	0.889	0.905
0.977	1.026	1.079	1.126	1.161	1.175	1.189	1.179	1.19
0.664	0.706	0.749	0.789	0.816	0.828	0.84	0.827	0.83
2.017	2.077	2.141	2.202	2.25	2.278	2.304	2.314	2.345
1.009	1.08	1.157	1.229	1.288	1.324	1.36	1.376	1.422
0.407	0.424	0.445	0.464	0.486	0.501	0.514	0.546	0.588
0.873	0.921	0.976	1.026	1.066	1.085	1.105	1.114	1.152
0.512	0.537	0.568	0.595	0.616	0.623	0.63	0.638	0.664
1.264	1.356	1.455	1.545	1.615	1.654	1.695	1.695	1.733
5.833	6.135	6.595	6.992	7.407	7.606	7.669	8.323	9.355
17.029	17.999	19.509	20.826	22.385	23.474	24.147	27.046	31.161
3.491	3.724	3.996	4.21	4.382	4.425	4.494	4.515	4.695
8.323	8.745	9.409	9.989	10.653	11.075	11.245	12.501	14.261
16.546	17.407	18.787	19.991	21.416	22.408	22.924	25.541	29.334
0.898	0.948	1.005	1.056	1.08	1.06	1.036	0.976	0.964
1.923	2.017	2.154	2.274	2.352	2.323	2.257	2.262	2.407
0.452	0.473	0.502	0.53	0.558	0.575	0.566	0.606	0.672
1.122	1.197	1.279	1.357	1.409	1.426	1.426	1.414	1.441
0.161	0.174	0.187	0.199	0.21	0.216	0.211	0.213	0.226
0.649	0.692	0.735	0.774	0.8	0.809	0.819	0.795	0.787
7.922	8.342	8.986	9.541	10.151	10.49	10.645	11.667	13.204
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**

Artistic, Lit	ARTISTIC, LITERARY, RECREATIONAL & RELATED	13.818	3.89	11.344	0	0	2.249
	Occupations in Fine & Commercial Art, Photography & Related Fields	20.463	4.362	16.15	0	0	2.908
	Painters, sculptors & rltd artists	23.367	6.399	9.563	0	0	1.747
	Product & interior designers	27.225	8.726	20.51	0	0	3.101
	Advertising & illustrating artists	16.16	0.642	14.522	0	0	2.925
	Photographers & camera operators	12.934	5	8.709	0	0	2.139
	Occs in fine&comm art, photo&rltd, nec	18.114	2.854	12.401	0	0	4.534
	Occupations in Performing & Audio-visual Arts	7.697	3.317	5.836	0	0	1.265
	Producers&directors, perform & av arts	7.811	3.065	5.659	0	0	1.266
	Conductors, composers & arrangers	16.321	2.861	4.457	0	0	1.558
	Musicians & singers	3.95	1.487	3.695	0	0	0.843
	Occs rltd to music & mus entertain, nec	7.369	2.182	7.126	0	0	1.614
	Dancers & choreographers	6.781	2.208	6.517	0	0	1.462
	Actors/actresses	6.684	0.836	5.487	0	0	1.256
	Radio & television announcers	8.162	4.743	6.776	0	0	1.366
	Performing & audio-visual arts, nec	9.651	3.223	5.805	0	0	1.209
	Occupations in Writing	13.326	4.127	11.485	0	0	2.568
	Writers & editors	16.131	4.163	10.151	0	0	3.093
	Translators & interpreters	6.212	4.008	14.699	0	0	1.254
	Writing, nec	10.944	5.967	15.344	0	0	2.196
	Occupations in Sports & Recreation	5.799	2.915	5.043	0	0	1.216
	Supervisors: sports & recreation	5.694	2.333	3.839	0	0	0.874
	Coaches,trainers&instructors,sports&rec	5.757	3.169	5.085	0	0	1.217
	Referees & rltd officials	0.784	0.427	0.668	0	0	0.141
	Athletes	1.181	0.42	0.969	0	0	0.211
	Attendants, sports & recreation	2.928	1.294	2.627	0	0	0.63
	Sports & recreation, nec	9.797	4.356	9.095	0	0	2.122
Clerical	CLERICAL & RELATED	13.926	5.33	7.931	0	0	1.681
	Stenographic & Typing Occupations	17.496	4.126	6.191	0	0	2.079
	Supervisors:Stenographic & typing	16.94	2.893	4.675	0	0	1.209
	Secretaries & stenographers	18.053	4.189	6.209	0	0	2.145
	Typists & clerk-typists	8.359	3.198	6.056	0	0	1.089
	Bookkeeping, Account-recording & Related Occupations	16.986	6.486	9.339	0	0	2.055
	Supervisors:book, acct-record&rltd occs	13.907	6.514	9.317	0	0	1.631
	Bookkeepers & accounting clerks	24.023	5.643	7.451	0	0	2.098
	Cashiers & tellers	8.321	8.638	14.121	0	0	2.255
	Insurance, bank & oth finance clerks	5.037	3.334	2.63	0	0	1.062
	Statistical clerks	3.45	1.686	3.998	0	0	0.541
	Bookkeep, acct-recording&rltd occs, nec	9.071	6.143	9.629	0	0	0.956

2.74	8.076	21.82	32.34	14.81	5.297	5.078	4.174	2.15	2.762	4.563	6.437	8.305	9.726
3.469	11.4	31.81	49.39	22.28	6.183	5.897	4.781	2.075	2.921	5.513	8.389	11.22	13.49
2.163	10.06	31.57	59.93	31.89	7.471	7.916	6.985	5.03	4.594	5.369	6.367	7.541	8.377
3.662	12.8	38.17	68.4	34.78	9.488	9.891	9.312	7.188	7.761	10.14	12.79	15.67	17.92
3.497	11.05	28.8	36.93	12.86	3.365	2.459	0.919	-2.353	-1.072	2.069	5.547	8.727	11.37
2.657	7.551	20.25	29.6	14.62	6.544	6.54	5.421	3.139	3.333	4.543	5.794	7.04	7.858
5.301	10.84	27.8	41.25	18.09	5.309	4.411	3.055	0.328	1.233	3.731	6.451	9.04	10.96
1.62	4.381	11.86	17.87	8.855	4.304	4.017	3.355	2.274	2.591	3.513	4.013	4.835	5.334
1.631	4.531	12.34	18.12	8.63	4.121	3.859	3.139	1.908	2.254	3.236	3.758	4.579	5.091
1.93	7.503	22.83	41.59	20.91	4.226	4.229	3.149	1.449	1.234	1.907	2.661	3.48	4.013
1.078	2.557	6.18	8.566	4.355	2.426	1.854	1.375	0.802	0.966	1.515	2.025	2.721	3.198
2.01	4.859	11.73	16.08	7.771	4.348	2.979	1.857	0.64	0.997	2.2	3.325	4.89	5.98
1.832	4.388	10.66	14.82	7.315	3.966	2.856	1.954	0.945	1.267	2.296	3.272	4.597	5.526
1.574	4.345	11.26	15.26	6.154	2.248	1.59	0.808	-0.453	-0.022	1.146	2.247	3.471	4.41
1.76	4.537	12.43	18.84	9.688	5.419	5.394	4.832	3.804	4.216	5.195	5.468	6.175	6.511
1.522	4.86	13.88	23.69	12.22	4.209	3.925	3.261	2.278	2.411	3.194	3.8	4.688	5.261
3.123	8.611	22.29	29.77	12.83	5.598	5.595	4.551	2.095	2.81	4.77	6.871	8.745	10.11
3.793	10.34	26.72	35.9	15.85	6.503	6.308	4.67	1.414	1.923	3.847	5.92	7.706	8.937
1.433	4.251	10.96	14.06	5.129	3.286	3.768	4.221	3.766	4.98	7.014	9.163	11.24	12.94
2.642	7.232	18.58	24.17	10.32	6.014	6.546	6.35	4.882	6.04	8.287	10.4	12.46	13.95
1.55	3.292	8.283	12.8	7.277	3.683	3.265	2.865	2.304	2.47	2.974	3.428	4.043	4.466
1.125	2.95	7.985	13.39	7.412	2.945	2.681	2.331	1.833	1.892	2.264	2.616	3.096	3.423
1.557	3.16	8.012	12.7	7.454	3.739	3.455	3.155	2.674	2.832	3.268	3.656	4.173	4.532
0.219	0.539	1.208	1.634	0.908	0.585	0.49	0.411	0.317	0.335	0.413	0.479	0.572	0.63
0.313	0.783	1.837	2.552	1.344	0.744	0.531	0.373	0.21	0.249	0.408	0.544	0.747	0.876
0.812	1.871	4.492	6.289	3.327	1.928	1.546	1.226	0.84	0.94	1.288	1.602	2.038	2.331
2.68	5.843	14.5	21.54	11.77	6.21	5.112	4.152	2.96	3.311	4.421	5.445	6.845	7.821
2.032	6.308	18.74	34.86	19.15	6.261	6.273	5.614	4.296	4.195	4.886	5.686	6.632	7.293
2.433	7.351	22.84	45.38	23.61	4.862	5.078	4.397	3.193	3.103	3.824	4.683	5.535	6.111
1.434	6.856	22.48	45.17	23.07	3.4	3.818	3.235	2.152	1.873	2.363	3.079	3.795	4.319
2.508	7.56	23.52	46.85	24.38	4.959	5.175	4.466	3.228	3.121	3.844	4.711	5.57	6.149
1.298	3.951	11.58	20.99	10.8	3.397	3.586	3.367	2.717	2.928	3.64	4.393	5.129	5.673
2.505	7.724	22.81	42.22	23.63	7.749	7.646	6.833	5.197	4.954	5.7	6.532	7.662	8.422
1.985	6.312	18.62	34.54	19.56	7.193	7.323	6.826	5.614	5.571	6.314	7.038	7.975	8.611
2.493	9.778	31.38	62.97	33.31	6.742	7.109	6.096	4.362	3.892	4.514	5.389	6.369	7.04
2.851	5.499	12.43	15.35	11.38	10.363	9.417	8.834	7.176	7.287	8.355	9.241	10.84	11.91
1.257	3.09	7.872	11.11	5.913	3.855	3.875	3.566	2.703	2.591	2.828	3.034	3.233	3.252
0.703	2.128	5.542	7.878	3.813	2.131	2.027	1.757	1.151	1.369	1.921	2.471	3.001	3.433
1.161	4.223	12.42	22.47	12.78	6.443	6.692	6.392	5.494	5.702	6.478	7.32	8.21	8.91

10.65	11.67	12.78	13.81	14.38	14.24	13.75	13.37	13.44	13.818	3.89
15.06	16.68	18.36	19.96	20.89	20.83	20.1	19.39	19.27	20.463	4.362
8.86	9.404	10.1	10.75	11.24	11.32	11.17	11.41	12.17	23.367	6.399
19.44	20.95	22.57	23.95	24.88	24.95	24.79	23.99	24.18	27.225	8.726
13.25	15.21	17.16	19.15	20.2	20.08	18.87	18.08	17.63	16.16	0.642
8.29	8.873	9.614	10.3	10.63	10.37	9.898	9.784	10.13	12.934	5
12.08	13.31	14.67	15.99	16.55	16.06	14.98	13.79	13.37	18.114	2.854
5.624	6.054	6.564	6.74	6.817	6.549	6.362	6.611	6.964	7.697	3.317
5.414	5.89	6.449	6.67	6.755	6.455	6.15	6.441	6.759	7.811	3.065
4.267	4.621	5.06	5.434	5.601	5.405	5.053	5.07	5.324	16.321	2.861
3.457	3.763	4.109	4.35	4.526	4.512	4.511	4.581	4.844	3.95	1.487
6.598	7.318	8.09	8.609	8.997	9.007	9.045	9.331	10.01	7.369	2.182
6.057	6.672	7.335	7.794	8.132	8.14	8.177	8.323	8.809	6.781	2.208
5.046	5.76	6.508	7.111	7.441	7.327	6.954	6.915	6.973	6.684	0.836
6.685	7.046	7.514	7.49	7.423	7.004	6.847	7.199	7.63	8.162	4.743
5.579	5.986	6.456	6.685	6.828	6.681	6.623	6.726	7.058	9.651	3.223
10.93	11.87	12.93	14.05	14.58	14.31	13.61	13.05	13.07	13.326	4.127
9.576	10.41	11.44	12.61	13.15	12.79	11.81	11.55	11.87	16.131	4.163
14.19	15.37	16.52	17.48	18.02	17.98	17.97	16.66	15.94	6.212	4.008
14.9	15.93	17.05	17.98	18.44	18.16	17.89	16.92	16.7	10.944	5.967
4.706	5.013	5.373	5.641	5.849	5.869	5.919	5.937	6.182	5.799	2.915
3.604	3.831	4.098	4.292	4.441	4.445	4.468	4.484	4.674	5.694	2.333
4.743	5.02	5.35	5.606	5.808	5.842	5.907	5.897	6.107	5.757	3.169
0.654	0.686	0.724	0.746	0.76	0.746	0.739	0.738	0.766	0.784	0.427
0.937	1.011	1.094	1.135	1.166	1.143	1.136	1.149	1.221	1.181	0.42
2.483	2.667	2.88	3.024	3.128	3.109	3.099	3.125	3.277	2.928	1.294
8.388	9.088	9.87	10.45	10.9	10.98	11.1	11.3	11.96	9.797	4.356
7.656	8.074	8.592	9.037	9.305	9.201	8.981	8.776	8.982	13.926	5.33
6.371	6.674	7.032	7.346	7.401	7.084	6.707	6.007	5.699	17.496	4.126
4.618	4.934	5.285	5.6	5.738	5.607	5.421	5.019	4.897	16.94	2.893
6.404	6.705	7.062	7.375	7.424	7.095	6.705	5.989	5.673	18.053	4.189
5.998	6.34	6.715	7.05	7.193	7.054	6.866	6.391	6.197	8.359	3.198
8.811	9.284	9.922	10.47	10.88	10.86	10.66	10.83	11.56	16.986	6.486
8.942	9.338	9.861	10.32	10.64	10.58	10.37	10.39	10.87	13.907	6.514
7.368	7.753	8.227	8.64	8.827	8.613	8.288	7.89	7.936	24.023	5.643
12.51	13.26	14.34	15.25	16.23	16.72	16.9	18.47	20.95	8.321	8.638
3.096	3.004	2.995	2.993	2.862	2.467	1.999	1.398	1.094	5.037	3.334
3.735	4.063	4.415	4.778	4.983	4.972	4.761	4.698	4.706	3.45	1.686
9.393	9.889	10.42	10.87	11.11	11.03	10.86	10.37	10.14	9.071	6.143

11.344	0	0	2.249	2.74	8.076	21.824	32.342	14.81
16.15	0	0	2.908	3.469	11.399	31.812	49.391	22.277
9.563	0	0	1.747	2.163	10.059	31.574	59.928	31.887
20.51	0	0	3.101	3.662	12.798	38.167	68.403	34.781
14.522	0	0	2.925	3.497	11.046	28.795	36.926	12.864
8.709	0	0	2.139	2.657	7.551	20.252	29.595	14.619
12.401	0	0	4.534	5.301	10.838	27.801	41.249	18.088
5.836	0	0	1.265	1.62	4.381	11.862	17.872	8.855
5.659	0	0	1.266	1.631	4.531	12.342	18.121	8.63
4.457	0	0	1.558	1.93	7.503	22.826	41.589	20.913
3.695	0	0	0.843	1.078	2.557	6.18	8.566	4.355
7.126	0	0	1.614	2.01	4.859	11.727	16.08	7.771
6.517	0	0	1.462	1.832	4.388	10.657	14.819	7.315
5.487	0	0	1.256	1.574	4.345	11.262	15.256	6.154
6.776	0	0	1.366	1.76	4.537	12.433	18.842	9.688
5.805	0	0	1.209	1.522	4.86	13.879	23.691	12.221
11.485	0	0	2.568	3.123	8.611	22.288	29.771	12.832
10.151	0	0	3.093	3.793	10.337	26.724	35.9	15.851
14.699	0	0	1.254	1.433	4.251	10.957	14.063	5.129
15.344	0	0	2.196	2.642	7.232	18.577	24.165	10.32
5.043	0	0	1.216	1.55	3.292	8.283	12.801	7.277
3.839	0	0	0.874	1.125	2.95	7.985	13.394	7.412
5.085	0	0	1.217	1.557	3.16	8.012	12.704	7.454
0.668	0	0	0.141	0.219	0.539	1.208	1.634	0.908
0.969	0	0	0.211	0.313	0.783	1.837	2.552	1.344
2.627	0	0	0.63	0.812	1.871	4.492	6.289	3.327
9.095	0	0	2.122	2.68	5.843	14.502	21.535	11.768
7.931	0	0	1.681	2.032	6.308	18.742	34.855	19.149
6.191	0	0	2.079	2.433	7.351	22.836	45.376	23.606
4.675	0	0	1.209	1.434	6.856	22.475	45.17	23.07
6.209	0	0	2.145	2.508	7.56	23.518	46.85	24.379
6.056	0	0	1.089	1.298	3.951	11.581	20.987	10.796
9.339	0	0	2.055	2.505	7.724	22.81	42.222	23.631
9.317	0	0	1.631	1.985	6.312	18.623	34.542	19.563
7.451	0	0	2.098	2.493	9.778	31.383	62.97	33.308
14.121	0	0	2.255	2.851	5.499	12.425	15.349	11.377
2.63	0	0	1.062	1.257	3.09	7.872	11.105	5.913
3.998	0	0	0.541	0.703	2.128	5.542	7.878	3.813
9.629	0	0	0.956	1.161	4.223	12.421	22.466	12.775

5.297	5.078	4.174	2.15	2.762	4.563	6.437	8.305	9.726
6.183	5.897	4.781	2.075	2.921	5.513	8.389	11.218	13.49
7.471	7.916	6.985	5.03	4.594	5.369	6.367	7.541	8.377
9.488	9.891	9.312	7.188	7.761	10.143	12.79	15.673	17.922
3.365	2.459	0.919	-2.353	-1.072	2.069	5.547	8.727	11.37
6.544	6.54	5.421	3.139	3.333	4.543	5.794	7.04	7.858
5.309	4.411	3.055	0.328	1.233	3.731	6.451	9.04	10.964
4.304	4.017	3.355	2.274	2.591	3.513	4.013	4.835	5.334
4.121	3.859	3.139	1.908	2.254	3.236	3.758	4.579	5.091
4.226	4.229	3.149	1.449	1.234	1.907	2.661	3.48	4.013
2.426	1.854	1.375	0.802	0.966	1.515	2.025	2.721	3.198
4.348	2.979	1.857	0.64	0.997	2.2	3.325	4.89	5.98
3.966	2.856	1.954	0.945	1.267	2.296	3.272	4.597	5.526
2.248	1.59	0.808	-0.453	-0.022	1.146	2.247	3.471	4.41
5.419	5.394	4.832	3.804	4.216	5.195	5.468	6.175	6.511
4.209	3.925	3.261	2.278	2.411	3.194	3.8	4.688	5.261
5.598	5.595	4.551	2.095	2.81	4.77	6.871	8.745	10.113
6.503	6.308	4.67	1.414	1.923	3.847	5.92	7.706	8.937
3.286	3.768	4.221	3.766	4.98	7.014	9.163	11.242	12.938
6.014	6.546	6.35	4.882	6.04	8.287	10.403	12.459	13.948
3.683	3.265	2.865	2.304	2.47	2.974	3.428	4.043	4.466
2.945	2.681	2.331	1.833	1.892	2.264	2.616	3.096	3.423
3.739	3.455	3.155	2.674	2.832	3.268	3.656	4.173	4.532
0.585	0.49	0.411	0.317	0.335	0.413	0.479	0.572	0.63
0.744	0.531	0.373	0.21	0.249	0.408	0.544	0.747	0.876
1.928	1.546	1.226	0.84	0.94	1.288	1.602	2.038	2.331
6.21	5.112	4.152	2.96	3.311	4.421	5.445	6.845	7.821
6.261	6.273	5.614	4.296	4.195	4.886	5.686	6.632	7.293
4.862	5.078	4.397	3.193	3.103	3.824	4.683	5.535	6.111
3.4	3.818	3.235	2.152	1.873	2.363	3.079	3.795	4.319
4.959	5.175	4.466	3.228	3.121	3.844	4.711	5.57	6.149
3.397	3.586	3.367	2.717	2.928	3.64	4.393	5.129	5.673
7.749	7.646	6.833	5.197	4.954	5.7	6.532	7.662	8.422
7.193	7.323	6.826	5.614	5.571	6.314	7.038	7.975	8.611
6.742	7.109	6.096	4.362	3.892	4.514	5.389	6.369	7.04
10.363	9.417	8.834	7.176	7.287	8.355	9.241	10.838	11.905
3.855	3.875	3.566	2.703	2.591	2.828	3.034	3.233	3.252
2.131	2.027	1.757	1.151	1.369	1.921	2.471	3.001	3.433
6.443	6.692	6.392	5.494	5.702	6.478	7.32	8.21	8.91

10.653	11.672	12.78	13.806	14.375	14.243	13.747	13.366	13.439
15.06	16.678	18.361	19.964	20.886	20.825	20.1	19.386	19.267
8.86	9.404	10.098	10.752	11.241	11.319	11.173	11.414	12.169
19.442	20.952	22.568	23.948	24.875	24.948	24.787	23.991	24.181
13.254	15.206	17.164	19.15	20.2	20.08	18.87	18.083	17.626
8.29	8.873	9.614	10.297	10.633	10.373	9.898	9.784	10.134
12.083	13.313	14.672	15.99	16.553	16.06	14.981	13.791	13.374
5.624	6.054	6.564	6.74	6.817	6.549	6.362	6.611	6.964
5.414	5.89	6.449	6.67	6.755	6.455	6.15	6.441	6.759
4.267	4.621	5.06	5.434	5.601	5.405	5.053	5.07	5.324
3.457	3.763	4.109	4.35	4.526	4.512	4.511	4.581	4.844
6.598	7.318	8.09	8.609	8.997	9.007	9.045	9.331	10.006
6.057	6.672	7.335	7.794	8.132	8.14	8.177	8.323	8.809
5.046	5.76	6.508	7.111	7.441	7.327	6.954	6.915	6.973
6.685	7.046	7.514	7.49	7.423	7.004	6.847	7.199	7.63
5.579	5.986	6.456	6.685	6.828	6.681	6.623	6.726	7.058
10.929	11.866	12.933	14.045	14.582	14.313	13.614	13.045	13.065
9.576	10.413	11.444	12.612	13.145	12.785	11.814	11.553	11.874
14.187	15.368	16.515	17.479	18.023	17.98	17.97	16.655	15.938
14.9	15.93	17.05	17.976	18.438	18.155	17.89	16.923	16.695
4.706	5.013	5.373	5.641	5.849	5.869	5.919	5.937	6.182
3.604	3.831	4.098	4.292	4.441	4.445	4.468	4.484	4.674
4.743	5.02	5.35	5.606	5.808	5.842	5.907	5.897	6.107
0.654	0.686	0.724	0.746	0.76	0.746	0.739	0.738	0.766
0.937	1.011	1.094	1.135	1.166	1.143	1.136	1.149	1.221
2.483	2.667	2.88	3.024	3.128	3.109	3.099	3.125	3.277
8.388	9.088	9.87	10.447	10.902	10.978	11.1	11.301	11.96
7.656	8.074	8.592	9.037	9.305	9.201	8.981	8.776	8.982
6.371	6.674	7.032	7.346	7.401	7.084	6.707	6.007	5.699
4.618	4.934	5.285	5.6	5.738	5.607	5.421	5.019	4.897
6.404	6.705	7.062	7.375	7.424	7.095	6.705	5.989	5.673
5.998	6.34	6.715	7.05	7.193	7.054	6.866	6.391	6.197
8.811	9.284	9.922	10.465	10.877	10.856	10.657	10.831	11.564
8.942	9.338	9.861	10.316	10.639	10.584	10.365	10.387	10.869
7.368	7.753	8.227	8.64	8.827	8.613	8.288	7.89	7.936
12.508	13.255	14.341	15.25	16.23	16.719	16.904	18.471	20.952
3.096	3.004	2.995	2.993	2.862	2.467	1.999	1.398	1.094
3.735	4.063	4.415	4.778	4.983	4.972	4.761	4.698	4.706
9.393	9.889	10.415	10.867	11.11	11.026	10.864	10.372	10.142

Yukon Occupation Impact Debt	2002-07	2008-12	2013-25	2000	2001	2002
	Average % Impact					
Office Machine & Electronic Dataprocessing Equipment Operators	9.045	5.622	10.813	0	0	1.406
Supervisors:office machine&EDP eqpt ope	8.791	7.195	13.276	0	0	1.278
Office machine operators	12.769	7.001	12.471	0	0	1.701
Electronic data-processing eqpt oper	8.807	5.446	10.571	0	0	1.392
Material Recording, Scheduling & Distibuting Occupations	10.707	7.151	10.69	0	0	1.487
Supers:Mat record, sched&distrib occs	10.131	6.612	9.827	0	0	1.256
Production clerks	16.952	7.882	12.729	0	0	1.745
Shipping & receiving clerks	11.455	7.368	10.95	0	0	1.438
Stock clerks & rltd	9.647	7.227	10.842	0	0	1.58
Weighers	14.614	3.476	3.381	0	0	0.365
Mat record, schedul & distrib occs, nec	7.346	5.818	8.873	0	0	1.425
Library, File & Correspondence Clerks & Related Occupations	4.453	2.432	3.739	0	0	0.732
Supers:Lib, file&corres clerks&rltd occ	1.703	0.795	1.867	0	0	0.422
Library & file clerks	4.564	2.621	3.946	0	0	0.748
Lib, file&corresp clerks&rltd occs, nec	5.034	1.219	2.491	0	0	0.747
Reception, Information, Mail & Message Distribution Occupations	11.938	4.465	7.998	0	0	1.503
Supers:recept,info,mail&mess distr occs	9.168	3.492	7.493	0	0	1.274
Receptionists & information clerks	14.618	4.623	7.753	0	0	1.77
Mail carriers	2.181	3.296	3.782	0	0	0.252
Mail & postal clerks	5.27	4.212	7.305	0	0	1.027
Telephone operators	10.478	4.532	11.187	0	0	1.246
Messengers	11.007	3.732	7.695	0	0	1.579
Recept,info,mail&mess distrib occs, nec	9.406	4.547	7.488	0	0	1.308
Other Clerical & Related Occupations	9.799	4.76	6.244	0	0	1.002
Supervisors:oth clerical,rltd occs, nec	8.781	4.587	6.299	0	0	0.812
Collectors	8.279	4.357	10.783	0	0	1.215
Claim adjusters	7.925	6.117	8.639	0	0	1.275
Trav clerks,ticket,station,freight agen	36.889	37.379	21.865	0	0	4.027
Hotel clerks	7.872	2.004	6.738	0	0	1.727
Personnel clerks	4.494	3.727	6.442	0	0	0.646
General office clerks	11.038	3.805	5.496	0	0	0.871
Oth clerical & rltd, nec	5.35	3.253	5.05	0	0	0.753

	Yukon Occupation Impact Debt	2002-07	2008-12	2013-25	2000	2001	2002
		Average % Impact					
Sales	SALES	10.995	9.207	14.949	0	0	2.233
	Sales Occupations, Commodities	11.612	10.336	16.834	0	0	2.404
	Supervisors:Sales, commodities	10.86	10.697	17.053	0	0	2.442

2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
									% Impact				
1.667	4.622	12.84	21.77	11.53	5.587	5.894	5.832	5.118	5.678	6.877	8.027	9.181	10.05
1.506	4.366	12.18	21.28	11.72	6.641	7.19	7.4	6.974	7.768	9.157	10.36	11.57	12.5
2.038	6.412	18.23	31.13	16.34	7.034	7.575	7.35	6.244	6.804	8.183	9.515	10.77	11.69
1.65	4.515	12.52	21.16	11.2	5.434	5.712	5.647	4.944	5.492	6.669	7.804	8.947	9.814
1.856	5.412	14.88	24.77	15.2	8.118	7.985	7.473	6.1	6.062	6.826	7.589	8.669	9.437
1.557	4.946	13.95	24.14	14.31	7.173	7.261	6.886	5.812	5.923	6.729	7.449	8.344	8.978
2.122	8.02	23.62	42.16	22.58	8.608	8.995	8.281	6.6	6.921	8.344	9.665	10.98	11.93
1.776	5.668	15.92	27.09	16.13	8.185	8.213	7.71	6.352	6.372	7.215	8.049	9.12	9.89
1.99	5.101	13.46	21.33	13.9	8.393	8.051	7.534	6.117	6.01	6.689	7.383	8.513	9.31
0.475	5.501	19.19	39.79	21.28	4.083	4.508	3.835	2.773	2.191	2.187	2.446	2.751	2.984
1.779	4.157	10.53	15.51	10.27	6.74	6.444	6.065	4.932	4.89	5.491	6.064	7.004	7.652
0.888	2.144	5.932	10.78	5.951	2.534	2.615	2.508	2.177	2.324	2.712	3.061	3.407	3.645
0.524	1.043	2.543	3.778	1.813	0.863	0.848	0.816	0.661	0.787	1.048	1.315	1.571	1.757
0.907	2.176	6.028	11.05	6.167	2.695	2.793	2.7	2.378	2.537	2.936	3.283	3.627	3.862
0.915	2.528	7.176	12.44	6.204	1.704	1.631	1.305	0.721	0.743	1.095	1.532	1.962	2.277
1.863	5.733	16.68	29.69	15.82	5.251	5.242	4.676	3.516	3.634	4.511	5.468	6.503	7.242
1.645	4.921	13.8	22.26	11.31	4.384	4.273	3.662	2.44	2.699	3.714	4.823	5.922	6.692
2.139	6.67	19.87	36.78	19.46	5.465	5.504	4.859	3.634	3.651	4.462	5.376	6.383	7.1
0.643	1.698	3.405	4.407	3.4	3.9	3.723	3.384	2.729	2.712	3.062	3.456	3.738	3.833
1.387	3.213	7.926	11.68	6.795	4.698	4.645	4.364	3.526	3.818	4.638	5.431	6.218	6.75
1.539	5.571	16.03	25.45	12.44	5.081	5.096	4.689	3.622	4.171	5.602	7.104	8.664	9.821
1.94	5.663	15.94	27	13.7	4.825	4.624	3.903	2.521	2.788	3.847	4.957	6.049	6.882
1.64	4.881	13.53	22.14	12.53	5.521	5.333	4.785	3.559	3.532	4.214	4.941	5.868	6.518
1.241	4.487	13.37	24.34	13.87	5.801	5.739	5.021	3.736	3.499	3.85	4.43	5.125	5.643
1.007	3.909	11.8	22.17	12.57	5.098	5.214	4.789	3.936	3.895	4.333	4.835	5.416	5.846
1.442	4.676	12.89	19.61	9.477	4.394	4.654	4.612	3.787	4.34	5.635	7.043	8.479	9.594
1.592	4.27	11.36	17.73	11.04	7.082	6.93	6.403	5.097	5.037	5.595	6.242	7.11	7.725
5.208	18.14	51.5	81.1	63.69	57.545	52.21	40.19	22.48	14.47	9.775	11.31	14.21	16.91
2.155	5.17	12.45	17.21	8.379	4.557	2.945	1.605	0.246	0.545	1.743	2.866	4.489	5.602
0.799	2.294	6.265	10.64	6.144	3.744	3.886	3.844	3.447	3.716	4.309	4.876	5.479	5.944
1.069	4.674	14.73	28.67	15.48	4.161	4.428	4.052	3.244	3.142	3.583	4.096	4.667	5.078
0.935	2.616	7.348	12.92	7.312	3.464	3.54	3.371	2.879	3.015	3.476	3.911	4.38	4.715

2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
									% Impact				
2.8	6.373	15.88	22.87	15.33	10.605	10.08	9.581	7.824	7.877	8.973	9.978	11.6	12.73
3.027	6.693	16.52	23.81	16.62	11.842	11.2	10.72	8.899	8.958	10.13	11.18	12.96	14.21
3.085	6.432	15.44	21.45	15.8	12.256	11.53	11.07	9.26	9.301	10.43	11.39	13.14	14.35

2017	2018	2019	2020	2021	2022	2023	2024	2025	7-Feb	12-Aug
									Average % Imp	
10.61	11.18	11.8	12.34	12.62	12.48	12.26	11.61	11.38	9.045	5.622
13.11	13.71	14.34	14.89	15.16	15.02	14.82	14.06	13.72	8.791	7.195
12.24	12.83	13.48	14.12	14.44	14.26	13.94	13.29	13.14	12.769	7.001
10.37	10.94	11.55	12.09	12.36	12.22	12.01	11.37	11.13	8.807	5.446
9.901	10.42	11.1	11.7	12.22	12.37	12.31	12.71	13.59	10.707	7.151
9.35	9.76	10.29	10.77	11.12	11.14	10.99	11.09	11.57	10.131	6.612
12.5	13.11	13.8	14.45	14.76	14.54	14.03	13.57	13.58	16.952	7.882
10.35	10.84	11.47	12.04	12.48	12.54	12.39	12.54	13.13	11.455	7.368
9.799	10.35	11.13	11.78	12.42	12.69	12.75	13.49	14.76	9.647	7.227
3.148	3.346	3.579	3.797	3.944	3.961	3.924	3.897	3.994	14.614	3.476
8.01	8.421	9.035	9.572	10.1	10.31	10.33	10.98	12.08	7.346	5.818
3.761	3.895	4.056	4.2	4.245	4.141	4.007	3.767	3.681	4.453	2.432
1.865	1.978	2.104	2.214	2.255	2.198	2.134	1.941	1.856	1.703	0.795
3.974	4.103	4.261	4.403	4.446	4.339	4.202	3.96	3.878	4.564	2.621
2.459	2.662	2.888	3.093	3.172	3.074	2.923	2.662	2.542	5.034	1.219
7.676	8.17	8.755	9.277	9.575	9.476	9.272	8.979	9.098	11.938	4.465
7.149	7.687	8.335	8.951	9.268	9.123	8.84	8.488	8.583	9.168	3.492
7.509	7.977	8.52	8.986	9.24	9.113	8.906	8.552	8.599	14.618	4.623
3.784	3.791	3.926	4.154	4.237	4.105	3.824	3.722	3.833	2.181	3.296
7.026	7.36	7.822	8.309	8.582	8.496	8.251	8.102	8.333	5.27	4.212
10.61	11.46	12.38	13.16	13.61	13.55	13.43	12.89	12.92	10.478	4.532
7.395	7.969	8.608	9.252	9.569	9.418	8.93	8.612	8.543	11.007	3.732
6.897	7.334	7.907	8.419	8.817	8.879	8.775	9.01	9.642	9.406	4.547
5.98	6.361	6.795	7.16	7.377	7.318	7.172	6.95	6.959	9.799	4.76
6.117	6.419	6.76	7.047	7.212	7.155	7.034	6.838	6.837	8.781	4.587
10.36	11.13	11.95	12.65	13.06	12.99	12.88	12.16	11.95	8.279	4.357
8.102	8.546	9.12	9.62	10	10.02	9.88	9.954	10.42	7.925	6.117
19.5	22.54	25.77	28.39	29.93	29.59	28.14	25.65	23.09	36.889	37.379
6.204	6.926	7.706	8.219	8.61	8.616	8.646	9.05	9.853	7.872	2.004
6.26	6.584	6.934	7.233	7.407	7.373	7.304	7.026	6.948	4.494	3.727
5.32	5.588	5.905	6.184	6.348	6.295	6.183	6.026	6.101	11.038	3.805
4.912	5.135	5.401	5.638	5.77	5.715	5.614	5.452	5.487	5.35	3.253

2017	2018	2019	2020	2021	2022	2023	2024	2025	7-Feb	12-Aug
									Average % Imp	
13.39	14.15	15.26	16.23	17.2	17.65	17.71	18.97	21.07	10.995	9.207
14.95	15.79	17.03	18.1	19.23	19.86	20.12	21.77	24.34	11.612	10.336
15.05	15.87	17.11	18.18	19.36	20.06	20.38	22.27	25.13	10.86	10.697

13-25 act	2000	2001	2002	2003	2004	2005	2006	2007
10.813	0	0	1.406	1.667	4.622	12.844	21.768	11.534
13.276	0	0	1.278	1.506	4.366	12.181	21.275	11.72
12.471	0	0	1.701	2.038	6.412	18.226	31.126	16.342
10.571	0	0	1.392	1.65	4.515	12.515	21.161	11.199
10.69	0	0	1.487	1.856	5.412	14.884	24.773	15.201
9.827	0	0	1.256	1.557	4.946	13.95	24.14	14.313
12.729	0	0	1.745	2.122	8.02	23.624	42.155	22.582
10.95	0	0	1.438	1.776	5.668	15.919	27.094	16.133
10.842	0	0	1.58	1.99	5.101	13.464	21.332	13.904
3.381	0	0	0.365	0.475	5.501	19.193	39.791	21.284
8.873	0	0	1.425	1.779	4.157	10.529	15.506	10.272
3.739	0	0	0.732	0.888	2.144	5.932	10.784	5.951
1.867	0	0	0.422	0.524	1.043	2.543	3.778	1.813
3.946	0	0	0.748	0.907	2.176	6.028	11.054	6.167
2.491	0	0	0.747	0.915	2.528	7.176	12.436	6.204
7.998	0	0	1.503	1.863	5.733	16.684	29.691	15.819
7.493	0	0	1.274	1.645	4.921	13.795	22.261	11.31
7.753	0	0	1.77	2.139	6.67	19.874	36.783	19.457
3.782	0	0	0.252	0.643	1.698	3.405	4.407	3.4
7.305	0	0	1.027	1.387	3.213	7.926	11.678	6.795
11.187	0	0	1.246	1.539	5.571	16.034	25.454	12.442
7.695	0	0	1.579	1.94	5.663	15.941	27.003	13.696
7.488	0	0	1.308	1.64	4.881	13.526	22.144	12.525
6.244	0	0	1.002	1.241	4.487	13.367	24.344	13.867
6.299	0	0	0.812	1.007	3.909	11.796	22.168	12.565
10.783	0	0	1.215	1.442	4.676	12.89	19.61	9.477
8.639	0	0	1.275	1.592	4.27	11.357	17.729	11.036
21.865	0	0	4.027	5.208	18.137	51.503	81.099	63.689
6.738	0	0	1.727	2.155	5.17	12.446	17.21	8.379
6.442	0	0	0.646	0.799	2.294	6.265	10.637	6.144
5.496	0	0	0.871	1.069	4.674	14.734	28.667	15.475
5.05	0	0	0.753	0.935	2.616	7.348	12.92	7.312

13-25 act	2000	2001	2002	2003	2004	2005	2006	2007
14.949	0	0	2.233	2.8	6.373	15.879	22.871	15.334
16.834	0	0	2.404	3.027	6.693	16.521	23.809	16.618
17.053	0	0	2.442	3.085	6.432	15.44	21.446	15.804

2008	2009	2010	2011	2012	2013	2014	2015	2016
				% Impact				
5.587	5.894	5.832	5.118	5.678	6.877	8.027	9.181	10.054
6.641	7.19	7.4	6.974	7.768	9.157	10.364	11.57	12.495
7.034	7.575	7.35	6.244	6.804	8.183	9.515	10.772	11.692
5.434	5.712	5.647	4.944	5.492	6.669	7.804	8.947	9.814
8.118	7.985	7.473	6.1	6.062	6.826	7.589	8.669	9.437
7.173	7.261	6.886	5.812	5.923	6.729	7.449	8.344	8.978
8.608	8.995	8.281	6.6	6.921	8.344	9.665	10.983	11.93
8.185	8.213	7.71	6.352	6.372	7.215	8.049	9.12	9.89
8.393	8.051	7.534	6.117	6.01	6.689	7.383	8.513	9.31
4.083	4.508	3.835	2.773	2.191	2.187	2.446	2.751	2.984
6.74	6.444	6.065	4.932	4.89	5.491	6.064	7.004	7.652
2.534	2.615	2.508	2.177	2.324	2.712	3.061	3.407	3.645
0.863	0.848	0.816	0.661	0.787	1.048	1.315	1.571	1.757
2.695	2.793	2.7	2.378	2.537	2.936	3.283	3.627	3.862
1.704	1.631	1.305	0.721	0.743	1.095	1.532	1.962	2.277
5.251	5.242	4.676	3.516	3.634	4.511	5.468	6.503	7.242
4.384	4.273	3.662	2.44	2.699	3.714	4.823	5.922	6.692
5.465	5.504	4.859	3.634	3.651	4.462	5.376	6.383	7.1
3.9	3.723	3.384	2.729	2.712	3.062	3.456	3.738	3.833
4.698	4.645	4.364	3.526	3.818	4.638	5.431	6.218	6.75
5.081	5.096	4.689	3.622	4.171	5.602	7.104	8.664	9.821
4.825	4.624	3.903	2.521	2.788	3.847	4.957	6.049	6.882
5.521	5.333	4.785	3.559	3.532	4.214	4.941	5.868	6.518
5.801	5.739	5.021	3.736	3.499	3.85	4.43	5.125	5.643
5.098	5.214	4.789	3.936	3.895	4.333	4.835	5.416	5.846
4.394	4.654	4.612	3.787	4.34	5.635	7.043	8.479	9.594
7.082	6.93	6.403	5.097	5.037	5.595	6.242	7.11	7.725
57.545	52.205	40.193	22.477	14.473	9.775	11.306	14.213	16.907
4.557	2.945	1.605	0.246	0.545	1.743	2.866	4.489	5.602
3.744	3.886	3.844	3.447	3.716	4.309	4.876	5.479	5.944
4.161	4.428	4.052	3.244	3.142	3.583	4.096	4.667	5.078
3.464	3.54	3.371	2.879	3.015	3.476	3.911	4.38	4.715

2008	2009	2010	2011	2012	2013	2014	2015	2016
				% Impact				
10.605	10.077	9.581	7.824	7.877	8.973	9.978	11.601	12.728
11.842	11.204	10.716	8.899	8.958	10.13	11.177	12.961	14.207
12.256	11.534	11.066	9.26	9.301	10.427	11.389	13.141	14.348

2017	2018	2019	2020	2021	2022	2023	2024	2025
10.612	11.184	11.799	12.342	12.618	12.479	12.259	11.608	11.377
13.107	13.713	14.343	14.89	15.164	15.021	14.824	14.059	13.724
12.241	12.825	13.482	14.122	14.435	14.255	13.937	13.285	13.144
10.371	10.939	11.55	12.087	12.361	12.224	12.009	11.365	11.132
9.901	10.415	11.103	11.703	12.22	12.369	12.312	12.712	13.587
9.35	9.76	10.29	10.766	11.12	11.144	10.989	11.091	11.57
12.497	13.107	13.798	14.445	14.759	14.535	14.029	13.569	13.575
10.346	10.835	11.473	12.038	12.476	12.537	12.393	12.538	13.125
9.799	10.354	11.125	11.781	12.416	12.69	12.752	13.488	14.759
3.148	3.346	3.579	3.797	3.944	3.961	3.924	3.897	3.994
8.01	8.421	9.035	9.572	10.097	10.314	10.328	10.98	12.082
3.761	3.895	4.056	4.2	4.245	4.141	4.007	3.767	3.681
1.865	1.978	2.104	2.214	2.255	2.198	2.134	1.941	1.856
3.974	4.103	4.261	4.403	4.446	4.339	4.202	3.96	3.878
2.459	2.662	2.888	3.093	3.172	3.074	2.923	2.662	2.542
7.676	8.17	8.755	9.277	9.575	9.476	9.272	8.979	9.098
7.149	7.687	8.335	8.951	9.268	9.123	8.84	8.488	8.583
7.509	7.977	8.52	8.986	9.24	9.113	8.906	8.552	8.599
3.784	3.791	3.926	4.154	4.237	4.105	3.824	3.722	3.833
7.026	7.36	7.822	8.309	8.582	8.496	8.251	8.102	8.333
10.607	11.456	12.376	13.156	13.614	13.545	13.434	12.888	12.924
7.395	7.969	8.608	9.252	9.569	9.418	8.93	8.612	8.543
6.897	7.334	7.907	8.419	8.817	8.879	8.775	9.01	9.642
5.98	6.361	6.795	7.16	7.377	7.318	7.172	6.95	6.959
6.117	6.419	6.76	7.047	7.212	7.155	7.034	6.838	6.837
10.364	11.133	11.945	12.645	13.059	12.994	12.876	12.159	11.952
8.102	8.546	9.12	9.62	10.001	10.022	9.88	9.954	10.424
19.5	22.535	25.773	28.385	29.925	29.588	28.138	25.653	23.085
6.204	6.926	7.706	8.219	8.61	8.616	8.646	9.05	9.853
6.26	6.584	6.934	7.233	7.407	7.373	7.304	7.026	6.948
5.32	5.588	5.905	6.184	6.348	6.295	6.183	6.026	6.101
4.912	5.135	5.401	5.638	5.77	5.715	5.614	5.452	5.487

2017	2018	2019	2020	2021	2022	2023	2024	2025
13.386	14.148	15.256	16.227	17.204	17.65	17.71	18.966	21.067
14.95	15.793	17.028	18.096	19.228	19.859	20.117	21.768	24.344
15.054	15.87	17.11	18.18	19.359	20.059	20.379	22.274	25.128

	Technical sales & rltd advisers	18.926	4.133	9.748	0	0	1.125
	Commercial travellers	12.38	2.838	5.18	0	0	0.793
	Sales clerks&salespersons, commod, nec	11.534	10.896	17.635	0	0	2.505
	Street vendors & door-to-door sales	12.785	10.764	18.361	0	0	2.725
	Newspaper carriers & vendors	9.682	14.272	23.787	0	0	3.147
	Service station attendants	9.74	13.585	22.401	0	0	3.013
	Sales:Commodities, nec	17.079	8.637	23.625	0	0	2.759
	Sales Occupations, Services	7.795	3.09	4.405	0	0	1.344
	Supervisors:Sales, services	9.939	4.8	8.81	0	0	1.324
	Insurance sales	4.668	3.2	1.49	0	0	1.04
	Real estate sales	4.668	3.2	1.49	0	0	1.041
	Sales agents & traders, securities	9.384	4.725	10.291	0	0	1.463
	Advertising sales	17.302	-2.826	4.944	0	0	2.791
	Business services sales	16.838	8.23	14.911	0	0	2.172
	Sales:Services, nec	13.418	4.8	8.713	0	0	1.393
	Other Sales Occupations	9.855	7.032	14.13	0	0	2.061
	Supervisors:oth sales	11.353	7.424	13.935	0	0	2.212
	Buyers, wholesale & retail trade	5.315	7.575	11.406	0	0	1.701
	Route drivers	10.74	6.882	11.145	0	0	2.212
	Oth sales, nec	14.128	6.467	20.261	0	0	2.312
Service	SERVICE	9.434	4.237	8.733	0	0	1.874
	Protective Service Occupations	4.01	2.324	7.229	0	0	0.528
	Fire-fighting	1.993	0.951	0.76	0	0	0.105
	Police officers & detectives, gov't	0.113	0.184	0.206	0	0	0
	Police agents & investigators, private	9.581	5.449	17.199	0	0	1.384
	Guards & rltd security	8.365	4.83	16.082	0	0	1.144
	Protective service, nec	1.509	0.685	1.523	0	0	0.229
	Food & Beverage Preparation & Related Service Occupations	7.675	2.135	6.534	0	0	1.648
	Supers:Food&bev prep&rltd service occs	7.441	2.057	6.31	0	0	1.604
	Chefs & cooks	7.565	2.11	6.364	0	0	1.601
	Bartenders	7.812	2.012	6.587	0	0	1.687
	Food & beverage serving	7.935	2.187	6.82	0	0	1.717
	Food&bev prep & rltd service occs, nec	6.507	2.133	5.64	0	0	1.403
	Occupations in Lodging & Other Accommodation	7.973	2.3	6.19	0	0	1.62
	Supervisors:Lodging & oth accommodation	8.332	2.348	5.712	0	0	1.578
	Lodging cleaners, except private hhold	7.61	1.991	6.485	0	0	1.659
	Sleeping-car & baggage porters	10.375	5.49	8.74	0	0	1.958
	Lodging & oth accommodation, nec	6.897	2.061	4.607	0	0	1.289
	Yukon Occupation Impact Debt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
		Average % Impact					

2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1.262	7.861	25.76	50.25	24.84	4.038	4.909	4.574	3.51	3.619	4.767	6.215	7.661	8.817
0.924	5.379	17.16	32.44	16.28	3.192	3.635	3.143	2.144	2.079	2.695	3.455	4.17	4.714
3.163	6.756	16.41	23.15	16.68	12.502	11.78	11.28	9.401	9.453	10.65	11.69	13.53	14.81
3.428	7.551	18.53	26.18	17.7	12.557	11.78	11.15	9.058	9.195	10.6	11.89	13.94	15.38
4.006	6.748	14.15	15.1	14.67	16.266	15.05	14.68	12.52	12.73	14.25	15.42	17.79	19.42
3.835	6.645	14.2	15.81	14.65	15.58	14.4	13.97	11.85	12.01	13.43	14.56	16.8	18.36
3.278	9.916	26.64	39.45	19.25	9.071	9.23	9.08	7.263	8.542	11.46	14.53	17.81	20.43
1.613	4.675	12.46	18.02	8.687	4.165	4.037	3.36	1.882	1.871	2.513	3.24	3.928	4.377
1.552	5.292	14.99	24.35	12.07	5.009	5.36	5.145	4.068	4.383	5.453	6.577	7.663	8.444
1.227	2.912	7.325	10.15	5.452	3.76	3.768	3.43	2.567	2.374	2.473	2.52	2.54	2.402
1.227	2.912	7.325	10.15	5.452	3.76	3.768	3.43	2.567	2.374	2.473	2.52	2.54	2.402
1.689	5.366	14.78	22.53	10.54	4.702	5.127	5.099	4.083	4.596	5.946	7.4	8.796	9.809
3.492	11.66	30.74	39.74	14.34	2.12	0.346	-2.569	-7.13	-6.818	-4.648	-2.058	0.254	2.181
2.61	8.94	25.26	39.94	21.28	10.624	10.36	8.812	5.685	5.49	6.706	8.754	11.01	12.82
1.706	6.516	19.31	33.39	17.27	5.369	5.615	5.122	3.889	3.958	4.827	5.784	6.904	7.74
2.548	5.987	14.91	20.72	12.39	8.189	7.677	7.256	5.817	6.205	7.562	8.899	10.67	12.01
2.726	6.766	17.21	24.51	14.16	8.923	8.398	7.696	5.905	6.18	7.501	8.914	10.69	12
2.137	3.666	7.787	8.42	7.962	8.639	8.048	7.809	6.666	6.691	7.371	7.899	9.008	9.749
2.773	6.056	15.31	23.27	14.28	8.239	7.615	6.987	5.703	5.85	6.747	7.573	8.823	9.688
2.78	8.562	22.66	32.17	15.4	7.467	7.162	6.79	4.916	5.992	8.606	11.36	14.4	16.88
2.351	5.495	13.92	21.09	11.48	5.963	5.028	4.111	2.892	3.159	4.172	5.184	6.535	7.498
0.631	2.384	6.513	9.616	4.176	1.997	2.266	2.445	2.196	2.707	3.633	4.622	5.591	6.377
0.175	0.877	2.633	4.967	3.001	1.29	1.252	1.022	0.686	0.528	0.467	0.519	0.591	0.654
0.048	0.118	0.154	0.171	0.179	0.182	0.183	0.183	0.184	0.185	0.187	0.189	0.191	0.194
1.596	5.661	15.55	22.86	10	4.704	5.296	5.743	5.135	6.348	8.559	10.88	13.2	15.09
1.302	5.005	13.79	20.15	8.376	3.959	4.599	5.086	4.632	5.852	7.975	10.2	12.39	14.18
0.315	0.9	2.28	3.475	1.772	0.837	0.77	0.687	0.536	0.599	0.78	0.973	1.191	1.353
2.058	4.97	12.03	16.83	8.34	4.51	3.031	1.788	0.49	0.75	1.856	2.899	4.411	5.449
2.002	4.831	11.68	16.29	8.06	4.37	2.931	1.72	0.456	0.706	1.778	2.791	4.26	5.267
1.998	4.864	11.82	16.65	8.266	4.396	2.976	1.776	0.525	0.776	1.849	2.856	4.317	5.319
2.106	5.086	12.3	17.15	8.39	4.484	2.933	1.633	0.306	0.59	1.748	2.837	4.409	5.487
2.144	5.161	12.48	17.37	8.592	4.695	3.131	1.818	0.45	0.723	1.887	2.985	4.579	5.673
1.755	4.173	10.09	14.16	7.219	3.987	2.85	1.888	0.839	1.038	1.905	2.724	3.916	4.735
2.016	5.028	12.4	17.75	8.877	4.641	3.259	2.005	0.644	0.829	1.852	2.846	4.279	5.253
1.954	5.069	12.8	18.98	9.508	4.495	3.277	2.101	0.794	0.937	1.896	2.806	4.118	4.989
2.069	4.977	12	16.65	8.134	4.402	2.887	1.622	0.328	0.61	1.744	2.811	4.349	5.404
2.461	6.306	15.77	22.52	13.15	9.481	7.64	5.432	2.566	2.132	2.825	4.034	5.82	7.122
1.593	4.179	10.59	15.73	7.872	3.705	2.794	1.894	0.859	0.971	1.721	2.434	3.441	4.105

% Impact

9.597	10.32	11.04	11.65	11.94	11.79	11.57	10.68	10.23	18.926	4.133
5.044	5.375	5.737	6.094	6.265	6.18	5.966	5.668	5.585	12.38	2.838
15.57	16.45	17.75	18.88	20.1	20.82	21.16	23.06	25.95	11.534	10.896
16.26	17.27	18.69	19.93	21.21	21.91	22.21	23.98	26.79	12.785	10.764
20.43	21.62	23.47	25.09	27.03	28.47	29.41	33.07	38.24	9.682	14.272
19.31	20.44	22.17	23.68	25.47	26.75	27.56	30.87	35.56	9.74	13.585
22.26	24.07	25.97	27.6	28.71	28.88	28.77	27.84	27.91	17.079	8.637
4.554	4.816	5.168	5.552	5.654	5.277	4.583	3.993	3.714	7.795	3.09
8.888	9.374	9.928	10.45	10.67	10.31	9.718	8.779	8.336	9.939	4.8
2.114	1.896	1.754	1.633	1.397	0.95	0.459	-0.17	-0.552	4.668	3.2
2.114	1.896	1.754	1.633	1.397	0.95	0.459	-0.17	-0.552	4.668	3.2
10.41	11.04	11.74	12.38	12.65	12.22	11.58	10.26	9.623	9.384	4.725
3.505	5.055	6.716	8.617	9.62	9.514	7.824	8.326	8.662	17.302	-2.826
14.14	15.55	16.99	18.24	18.93	18.77	18.36	17.2	16.65	16.838	8.23
8.291	8.901	9.577	10.12	10.45	10.38	10.28	10	10.09	13.418	4.8
12.87	13.78	14.9	15.87	16.7	17	17.01	17.51	18.64	9.855	7.032
12.83	13.74	14.84	15.8	16.55	16.72	16.65	16.89	17.77	11.353	7.424
10.14	10.59	11.35	11.99	12.73	13.13	13.26	14.48	16.29	5.315	7.575
10.17	10.77	11.55	12.2	12.78	12.99	13.11	13.63	14.71	10.74	6.882
18.67	20.46	22.35	24	25.18	25.48	25.3	24.96	25.34	14.128	6.467
8.082	8.774	9.537	10.11	10.54	10.6	10.69	10.79	11.31	9.434	4.237
6.956	7.501	8.038	8.488	8.749	8.743	8.751	8.212	7.938	4.01	2.324
0.707	0.767	0.83	0.881	0.913	0.912	0.898	0.859	0.827	1.993	0.951
0.197	0.2	0.204	0.207	0.212	0.216	0.221	0.226	0.232	0.113	0.184
16.48	17.8	19.1	20.17	20.83	20.86	20.93	19.7	19.16	9.581	5.449
15.51	16.75	17.95	18.94	19.52	19.51	19.55	18.24	17.55	8.365	4.83
1.456	1.564	1.679	1.768	1.823	1.816	1.811	1.753	1.752	1.509	0.685
6.011	6.685	7.42	7.91	8.287	8.3	8.328	8.716	9.481	7.675	2.135
5.811	6.462	7.174	7.647	8.009	8.015	8.034	8.398	9.124	7.441	2.057
5.86	6.509	7.218	7.69	8.053	8.064	8.09	8.462	9.196	7.565	2.11
6.07	6.768	7.525	8.023	8.402	8.405	8.431	8.812	9.578	7.812	2.012
6.268	6.98	7.756	8.272	8.671	8.688	8.72	9.138	9.956	7.935	2.187
5.18	5.715	6.312	6.721	7.04	7.064	7.092	7.4	8.012	6.507	2.133
5.767	6.39	7.077	7.532	7.863	7.819	7.773	8.03	8.658	7.973	2.3
5.414	5.947	6.548	6.94	7.211	7.106	6.987	7.146	7.683	8.332	2.348
5.975	6.659	7.401	7.891	8.264	8.269	8.295	8.665	9.411	7.61	1.991
7.958	8.946	10	10.76	11.31	11.33	11.25	11.4	11.92	10.375	5.49
4.419	4.813	5.264	5.56	5.751	5.641	5.518	5.562	5.899	6.897	2.061
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**
									Average % Imp	

9.748	0	0	1.125	1.262	7.861	25.757	50.254	24.838
5.18	0	0	0.793	0.924	5.379	17.161	32.44	16.278
17.635	0	0	2.505	3.163	6.756	16.41	23.145	16.676
18.361	0	0	2.725	3.428	7.551	18.53	26.175	17.699
23.787	0	0	3.147	4.006	6.748	14.152	15.099	14.668
22.401	0	0	3.013	3.835	6.645	14.202	15.806	14.649
23.625	0	0	2.759	3.278	9.916	26.635	39.451	19.251
4.405	0	0	1.344	1.613	4.675	12.457	18.018	8.687
8.81	0	0	1.324	1.552	5.292	14.988	24.35	12.073
1.49	0	0	1.04	1.227	2.912	7.325	10.15	5.452
1.49	0	0	1.041	1.227	2.912	7.325	10.15	5.452
10.291	0	0	1.463	1.689	5.366	14.775	22.53	10.536
4.944	0	0	2.791	3.492	11.663	30.737	39.735	14.343
14.911	0	0	2.172	2.61	8.94	25.259	39.942	21.275
8.713	0	0	1.393	1.706	6.516	19.312	33.391	17.27
14.13	0	0	2.061	2.548	5.987	14.907	20.72	12.387
13.935	0	0	2.212	2.726	6.766	17.205	24.51	14.164
11.406	0	0	1.701	2.137	3.666	7.787	8.42	7.962
11.145	0	0	2.212	2.773	6.056	15.307	23.269	14.28
20.261	0	0	2.312	2.78	8.562	22.664	32.168	15.403
8.733	0	0	1.874	2.351	5.495	13.919	21.09	11.482
7.229	0	0	0.528	0.631	2.384	6.513	9.616	4.176
0.76	0	0	0.105	0.175	0.877	2.633	4.967	3.001
0.206	0	0	0	0.048	0.118	0.154	0.171	0.179
17.199	0	0	1.384	1.596	5.661	15.55	22.862	10.003
16.082	0	0	1.144	1.302	5.005	13.793	20.149	8.376
1.523	0	0	0.229	0.315	0.9	2.28	3.475	1.772
6.534	0	0	1.648	2.058	4.97	12.034	16.825	8.34
6.31	0	0	1.604	2.002	4.831	11.683	16.291	8.06
6.364	0	0	1.601	1.998	4.864	11.821	16.646	8.266
6.587	0	0	1.687	2.106	5.086	12.303	17.154	8.39
6.82	0	0	1.717	2.144	5.161	12.475	17.365	8.592
5.64	0	0	1.403	1.755	4.173	10.09	14.161	7.219
6.19	0	0	1.62	2.016	5.028	12.397	17.75	8.877
5.712	0	0	1.578	1.954	5.069	12.799	18.978	9.508
6.485	0	0	1.659	2.069	4.977	11.999	16.647	8.134
8.74	0	0	1.958	2.461	6.306	15.77	22.515	13.152
4.607	0	0	1.289	1.593	4.179	10.59	15.734	7.872
13-25 **act**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**

4.038	4.909	4.574	3.51	3.619	4.767	6.215	7.661	8.817
3.192	3.635	3.143	2.144	2.079	2.695	3.455	4.17	4.714
12.502	11.775	11.28	9.401	9.453	10.645	11.686	13.527	14.809
12.557	11.782	11.153	9.058	9.195	10.596	11.89	13.939	15.383
16.266	15.048	14.676	12.517	12.729	14.245	15.424	17.791	19.424
15.58	14.404	13.974	11.846	12.006	13.426	14.555	16.804	18.357
9.071	9.23	9.08	7.263	8.542	11.459	14.527	17.814	20.429
4.165	4.037	3.36	1.882	1.871	2.513	3.24	3.928	4.377
5.009	5.36	5.145	4.068	4.383	5.453	6.577	7.663	8.444
3.76	3.768	3.43	2.567	2.374	2.473	2.52	2.54	2.402
3.76	3.768	3.43	2.567	2.374	2.473	2.52	2.54	2.402
4.702	5.127	5.099	4.083	4.596	5.946	7.4	8.796	9.809
2.12	0.346	-2.569	-7.13	-6.818	-4.648	-2.058	0.254	2.181
10.624	10.364	8.812	5.685	5.49	6.706	8.754	11.009	12.821
5.369	5.615	5.122	3.889	3.958	4.827	5.784	6.904	7.74
8.189	7.677	7.256	5.817	6.205	7.562	8.899	10.673	12.007
8.923	8.398	7.696	5.905	6.18	7.501	8.914	10.687	12.002
8.639	8.048	7.809	6.666	6.691	7.371	7.899	9.008	9.749
8.239	7.615	6.987	5.703	5.85	6.747	7.573	8.823	9.688
7.467	7.162	6.79	4.916	5.992	8.606	11.359	14.4	16.878
5.963	5.028	4.111	2.892	3.159	4.172	5.184	6.535	7.498
1.997	2.266	2.445	2.196	2.707	3.633	4.622	5.591	6.377
1.29	1.252	1.022	0.686	0.528	0.467	0.519	0.591	0.654
0.182	0.183	0.183	0.184	0.185	0.187	0.189	0.191	0.194
4.704	5.296	5.743	5.135	6.348	8.559	10.877	13.204	15.094
3.959	4.599	5.086	4.632	5.852	7.975	10.201	12.386	14.176
0.837	0.77	0.687	0.536	0.599	0.78	0.973	1.191	1.353
4.51	3.031	1.788	0.49	0.75	1.856	2.899	4.411	5.449
4.37	2.931	1.72	0.456	0.706	1.778	2.791	4.26	5.267
4.396	2.976	1.776	0.525	0.776	1.849	2.856	4.317	5.319
4.484	2.933	1.633	0.306	0.59	1.748	2.837	4.409	5.487
4.695	3.131	1.818	0.45	0.723	1.887	2.985	4.579	5.673
3.987	2.85	1.888	0.839	1.038	1.905	2.724	3.916	4.735
4.641	3.259	2.005	0.644	0.829	1.852	2.846	4.279	5.253
4.495	3.277	2.101	0.794	0.937	1.896	2.806	4.118	4.989
4.402	2.887	1.622	0.328	0.61	1.744	2.811	4.349	5.404
9.481	7.64	5.432	2.566	2.132	2.825	4.034	5.82	7.122
3.705	2.794	1.894	0.859	0.971	1.721	2.434	3.441	4.105
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**

% Impact

9.597	10.32	11.038	11.647	11.936	11.786	11.569	10.675	10.23
5.044	5.375	5.737	6.094	6.265	6.18	5.966	5.668	5.585
15.572	16.449	17.751	18.877	20.101	20.824	21.158	23.058	25.946
16.261	17.269	18.688	19.934	21.209	21.909	22.207	23.978	26.793
20.431	21.619	23.467	25.087	27.029	28.467	29.407	33.068	38.24
19.31	20.435	22.168	23.677	25.465	26.747	27.56	30.866	35.564
22.262	24.068	25.966	27.599	28.709	28.877	28.77	27.837	27.905
4.554	4.816	5.168	5.552	5.654	5.277	4.583	3.993	3.714
8.888	9.374	9.928	10.451	10.665	10.307	9.718	8.779	8.336
2.114	1.896	1.754	1.633	1.397	0.95	0.459	-0.17	-0.552
2.114	1.896	1.754	1.633	1.397	0.95	0.459	-0.17	-0.552
10.41	11.04	11.741	12.381	12.654	12.218	11.584	10.263	9.623
3.505	5.055	6.716	8.617	9.62	9.514	7.824	8.326	8.662
14.144	15.548	16.992	18.237	18.934	18.771	18.356	17.197	16.654
8.291	8.901	9.577	10.115	10.446	10.376	10.279	10.001	10.092
12.867	13.779	14.903	15.874	16.702	17.003	17.007	17.509	18.635
12.834	13.74	14.839	15.799	16.547	16.724	16.649	16.89	17.774
10.139	10.59	11.35	11.992	12.725	13.13	13.257	14.48	16.291
10.173	10.766	11.552	12.195	12.784	12.994	13.106	13.63	14.708
18.671	20.461	22.345	24.003	25.182	25.484	25.3	24.958	25.344
8.082	8.774	9.537	10.105	10.538	10.602	10.689	10.792	11.307
6.956	7.501	8.038	8.488	8.749	8.743	8.751	8.212	7.938
0.707	0.767	0.83	0.881	0.913	0.912	0.898	0.859	0.827
0.197	0.2	0.204	0.207	0.212	0.216	0.221	0.226	0.232
16.483	17.801	19.095	20.168	20.829	20.86	20.933	19.697	19.158
15.506	16.754	17.951	18.941	19.517	19.507	19.554	18.243	17.546
1.456	1.564	1.679	1.768	1.823	1.816	1.811	1.753	1.752
6.011	6.685	7.42	7.91	8.287	8.3	8.328	8.716	9.481
5.811	6.462	7.174	7.647	8.009	8.015	8.034	8.398	9.124
5.86	6.509	7.218	7.69	8.053	8.064	8.09	8.462	9.196
6.07	6.768	7.525	8.023	8.402	8.405	8.431	8.812	9.578
6.268	6.98	7.756	8.272	8.671	8.688	8.72	9.138	9.956
5.18	5.715	6.312	6.721	7.04	7.064	7.092	7.4	8.012
5.767	6.39	7.077	7.532	7.863	7.819	7.773	8.03	8.658
5.414	5.947	6.548	6.94	7.211	7.106	6.987	7.146	7.683
5.975	6.659	7.401	7.891	8.264	8.269	8.295	8.665	9.411
7.958	8.946	10.004	10.761	11.305	11.325	11.251	11.397	11.915
4.419	4.813	5.264	5.56	5.751	5.641	5.518	5.562	5.899
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**

	Personal Service Occupations	19.238	11.436	16.815	0	0	4.043
	Funeral directors, embalmers&rltd occs	22.766	12.959	20.372	0	0	4.963
	Housekeepers, servants & rltd	15.002	8.135	13.238	0	0	3.14
	Barbers, hairdressers & rltd	22.275	12.835	20.204	0	0	4.867
	Guides	2.542	1.237	2.107	0	0	0.444
	Travel&rltd attendants, except food&bev	47.3	48.136	28.31	0	0	5.239
	Child-care	16.494	9.303	14.714	0	0	3.605
	Personal service, nec	16.545	9.149	14.913	0	0	3.491
	Apparel & Furnishings Service Occupations	18.819	10.514	16.868	0	0	4.029
	Supervisors:Apparel & furnishings svc	20.681	11.503	18.217	0	0	4.386
	Laundering & dry cleaning	15.972	8.791	14.377	0	0	3.421
	Pressing	21.478	12.386	19.578	0	0	4.7
	Apparel & furnishings service, nec	22.349	12.474	19.671	0	0	4.738
	Other Service Occupations	8.203	3.337	5.731	0	0	1.192
	Supervisors:oth service	9.073	4.099	6.304	0	0	1.115
	Janitors, charworkers & cleaners	8.005	2.994	4.624	0	0	0.9
	Elevator-operating	22.173	5.899	7.618	0	0	1.234
	Labouring & oth elemental work:oth svc	8.223	3.824	7.788	0	0	1.716
	Oth service, nec	9.555	4.487	8.476	0	0	1.518
Farming	FARMING, HORTICULTURAL & ANIMAL HUSBANDRY	46.74	6.178	3.49	0	0	0.311
	Farmers	0	0	0	0	0	0
	Other Farming, Horticultural & Animal Husbandry Occupations	51.91	6.726	3.743	0	0	0.352
	Foremn/womn:oth farm,hort&animal hsbdry	0	0	0	0	0	0
	Livestock farm workers	0	0	0	0	0	0
	Crop farm workers	0	0	0	0	0	0
	Nursery & rltd workers	59.714	7.475	3.988	0	0	0.381
	Inspect&test&grad&sampl occs:oth farm	2.21	1.505	2.329	0	0	0.618
	Farm machinery operators	15.484	2.661	2.155	0	0	0.216
	Oth farm, horticult&animal hsbdry, nec	11.528	2.556	2.783	0	0	0.327

	Yukon Occupation Impact Debt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
		Average % Impact					
Fishing & T	FISHING, TRAPPING & RELATED	0.376	0.121	0.02	0	0	0.056

5.105	10.17	26.25	42.39	25.81	13.624	12.76	11.54	9.546	9.756	10.85	12.03	13.62	14.75
6.272	12.07	31.05	50.36	30.11	14.844	13.98	12.96	11.22	11.84	13.42	14.83	16.7	18
3.954	7.932	20.5	33.37	19.56	9.295	8.783	8.145	7.027	7.442	8.511	9.492	10.76	11.66
6.151	11.84	30.4	49.18	29.5	14.707	13.84	12.84	11.11	11.71	13.28	14.67	16.53	17.83
0.585	1.462	3.714	5.73	3.191	1.658	1.465	1.229	0.905	0.934	1.144	1.365	1.654	1.858
6.788	23.35	66.16	104.8	82.17	74.439	67.48	51.81	28.38	17.78	11.51	13.65	17.66	21.41
4.544	8.766	22.44	36.31	21.64	10.624	10.02	9.301	8.072	8.525	9.667	10.69	12.04	12.98
4.408	8.823	22.76	36.81	21.68	10.575	9.913	9.14	7.832	8.3	9.534	10.65	12.12	13.15
5.097	10.02	25.79	41.77	24.82	12.201	11.41	10.49	8.989	9.495	10.85	12.07	13.7	14.84
5.55	10.91	28.24	46.07	27.39	13.255	12.46	11.5	9.9	10.44	11.87	13.16	14.87	16.07
4.329	8.589	22.02	35.42	20.93	10.367	9.598	8.748	7.408	7.843	9.04	10.13	11.59	12.61
5.938	11.44	29.36	47.4	28.41	14.203	13.36	12.39	10.71	11.3	12.83	14.2	16.02	17.28
5.989	11.76	30.47	49.78	29.62	14.304	13.49	12.48	10.78	11.35	12.89	14.27	16.09	17.37
1.495	4.313	11.7	19.35	10.69	4.619	4.08	3.35	2.314	2.291	2.861	3.481	4.355	4.967
1.399	4.46	12.67	21.87	12.31	5.053	4.85	4.267	3.205	3.102	3.572	4.17	4.957	5.529
1.133	3.805	11	19.72	10.83	3.728	3.564	3.082	2.322	2.262	2.66	3.106	3.697	4.113
1.543	8.876	29.12	58.46	31.73	6.728	7.189	6.381	4.899	4.297	4.693	5.284	6.12	6.709
2.155	5.139	12.56	17.71	9.86	6.258	4.915	3.657	2.067	2.125	3.041	4.007	5.46	6.474
1.899	5.185	13.86	22.11	12.23	5.722	5.208	4.543	3.402	3.535	4.385	5.277	6.457	7.312
0.405	15.83	59.24	130.9	67.8	6.787	8.74	7.191	5.062	3.095	2.581	2.756	3.027	3.229
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.456	17.55	65.45	144.3	74.36	7.423	9.535	7.825	5.499	3.358	2.797	2.982	3.267	3.476
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.493	20.11	74.8	164.6	84.27	8.283	10.65	8.703	6.094	3.68	3.034	3.221	3.514	3.724
0.755	1.249	3.05	4.682	2.962	1.798	1.679	1.551	1.237	1.253	1.445	1.629	1.902	2.085
0.275	5.528	20.17	43.63	23.23	3.025	3.668	3.064	2.105	1.391	1.266	1.447	1.69	1.882
0.426	4.334	15.32	32.33	17.38	2.808	3.235	2.83	2.149	1.73	1.776	1.978	2.257	2.47

Yukon and Northwest Territories
Employment by Occupation
Standard Occupational Classification
Thousands

2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
									% Impact				
0.076	0.201	0.528	0.893	0.497	0.21	0.17	0.127	0.064	0.035	0.028	0.024	0.032	0.036

15.47	16.44	17.61	18.58	19.36	19.58	19.87	19.84	20.52	19.238	11.436
18.78	19.86	21.2	22.31	23.23	23.51	23.92	23.97	24.95	22.766	12.959
12.21	12.96	13.85	14.58	15.18	15.37	15.64	15.62	16.19	15.002	8.135
18.61	19.68	21.01	22.12	23.04	23.33	23.74	23.84	24.87	22.275	12.835
1.974	2.115	2.282	2.407	2.494	2.491	2.489	2.486	2.572	2.542	1.237
25.04	29.29	33.79	37.44	39.65	39.37	37.48	34.08	30.45	47.3	48.136
13.55	14.35	15.32	16.12	16.78	17	17.32	17.35	18.04	16.494	9.303
13.78	14.62	15.62	16.44	17.11	17.3	17.58	17.59	18.28	16.545	9.149
15.54	16.48	17.62	18.55	19.33	19.56	19.91	19.99	20.84	18.819	10.514
16.79	17.78	18.99	19.99	20.82	21.07	21.44	21.5	22.41	20.681	11.503
13.23	14.07	15.07	15.88	16.55	16.75	17.05	17.13	17.88	15.972	8.791
18.04	19.09	20.38	21.45	22.34	22.61	23	23.08	24.07	21.478	12.386
18.14	19.19	20.49	21.56	22.45	22.72	23.12	23.17	24.14	22.349	12.474
5.318	5.737	6.224	6.588	6.868	6.89	6.88	7.021	7.433	8.203	3.337
5.889	6.302	6.787	7.176	7.465	7.487	7.458	7.439	7.709	9.073	4.099
4.353	4.638	4.973	5.235	5.426	5.427	5.405	5.422	5.644	8.005	2.994
7.053	7.435	7.929	8.345	8.715	8.822	8.838	9.108	9.753	22.173	5.899
7.061	7.767	8.57	9.146	9.621	9.714	9.763	10.25	11.15	8.223	3.824
7.847	8.458	9.152	9.698	10.12	10.2	10.23	10.32	10.82	9.555	4.487
3.343	3.469	3.608	3.717	3.817	3.843	3.878	3.941	4.119	46.74	6.178
0	0	0	0	0	0	0	0	0	0	0
3.592	3.723	3.867	3.98	4.08	4.103	4.132	4.196	4.382	51.91	6.726
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
3.838	3.97	4.115	4.225	4.323	4.34	4.366	4.431	4.624	59.714	7.475
2.169	2.273	2.429	2.568	2.684	2.695	2.667	2.74	2.961	2.21	1.505
2.014	2.153	2.304	2.439	2.544	2.569	2.567	2.57	2.65	15.484	2.661
2.6	2.743	2.911	3.065	3.194	3.234	3.254	3.307	3.486	11.528	2.556

2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**		
0.03	0.026	0.031	0.039	0.043	0.033	0.005	-0.017	-0.038	0.376	0.121

16.815	0	0	4.043	5.105	10.17	26.25	42.391	25.81
20.372	0	0	4.963	6.272	12.069	31.048	50.359	30.108
13.238	0	0	3.14	3.954	7.932	20.502	33.372	19.563
20.204	0	0	4.867	6.151	11.838	30.401	49.176	29.501
2.107	0	0	0.444	0.585	1.462	3.714	5.73	3.191
28.31	0	0	5.239	6.788	23.352	66.16	104.767	82.166
14.714	0	0	3.605	4.544	8.766	22.437	36.312	21.636
14.913	0	0	3.491	4.408	8.823	22.763	36.81	21.678
16.868	0	0	4.029	5.097	10.02	25.794	41.772	24.817
18.217	0	0	4.386	5.55	10.912	28.24	46.071	27.391
14.377	0	0	3.421	4.329	8.589	22.019	35.422	20.928
19.578	0	0	4.7	5.938	11.443	29.357	47.398	28.407
19.671	0	0	4.738	5.989	11.76	30.471	49.777	29.617
5.731	0	0	1.192	1.495	4.313	11.697	19.35	10.687
6.304	0	0	1.115	1.399	4.46	12.67	21.869	12.311
4.624	0	0	0.9	1.133	3.805	11	19.722	10.83
7.618	0	0	1.234	1.543	8.876	29.118	58.46	31.726
7.788	0	0	1.716	2.155	5.139	12.555	17.709	9.86
8.476	0	0	1.518	1.899	5.185	13.863	22.105	12.227
3.49	0	0	0.311	0.405	15.826	59.238	130.915	67.802
0	0	0	0	0	0	0	0	0
3.743	0	0	0.352	0.456	17.554	65.453	144.257	74.358
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
3.988	0	0	0.381	0.493	20.108	74.802	164.551	84.265
2.329	0	0	0.618	0.755	1.249	3.05	4.682	2.962
2.155	0	0	0.216	0.275	5.528	20.165	43.631	23.232
2.783	0	0	0.327	0.426	4.334	15.317	32.333	17.379
0.02	0	0	0.056	0.076	0.201	0.528	0.893	0.497

13.624	12.755	11.536	9.546	9.756	10.85	12.026	13.616	14.751
14.844	13.976	12.955	11.22	11.838	13.424	14.833	16.701	18.001
9.295	8.783	8.145	7.027	7.442	8.511	9.492	10.759	11.66
14.707	13.841	12.839	11.108	11.711	13.28	14.673	16.533	17.828
1.658	1.465	1.229	0.905	0.934	1.144	1.365	1.654	1.858
74.439	67.476	51.806	28.381	17.781	11.513	13.647	17.663	21.409
10.624	10.015	9.301	8.072	8.525	9.667	10.686	12.035	12.981
10.575	9.913	9.14	7.832	8.3	9.534	10.651	12.117	13.15
12.201	11.408	10.494	8.989	9.495	10.851	12.074	13.702	14.843
13.255	12.455	11.496	9.9	10.436	11.873	13.159	14.87	16.065
10.367	9.598	8.748	7.408	7.843	9.04	10.129	11.585	12.609
14.203	13.36	12.388	10.709	11.3	12.834	14.199	16.016	17.283
14.304	13.485	12.483	10.779	11.353	12.89	14.267	16.093	17.367
4.619	4.08	3.35	2.314	2.291	2.861	3.481	4.355	4.967
5.053	4.85	4.267	3.205	3.102	3.572	4.17	4.957	5.529
3.728	3.564	3.082	2.322	2.262	2.66	3.106	3.697	4.113
6.728	7.189	6.381	4.899	4.297	4.693	5.284	6.12	6.709
6.258	4.915	3.657	2.067	2.125	3.041	4.007	5.46	6.474
5.722	5.208	4.543	3.402	3.535	4.385	5.277	6.457	7.312
6.787	8.74	7.191	5.062	3.095	2.581	2.756	3.027	3.229
0	0	0	0	0	0	0	0	0
7.423	9.535	7.825	5.499	3.358	2.797	2.982	3.267	3.476
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
8.283	10.652	8.703	6.094	3.68	3.034	3.221	3.514	3.724
1.798	1.679	1.551	1.237	1.253	1.445	1.629	1.902	2.085
3.025	3.668	3.064	2.105	1.391	1.266	1.447	1.69	1.882
2.808	3.235	2.83	2.149	1.73	1.776	1.978	2.257	2.47
0.21	0.17	0.127	0.064	0.035	0.028	0.024	0.032	0.036

15.467	16.438	17.611	18.58	19.361	19.583	19.869	19.835	20.524
18.781	19.864	21.201	22.311	23.232	23.507	23.92	23.967	24.95
12.213	12.957	13.845	14.581	15.176	15.365	15.636	15.624	16.193
18.606	19.68	21.012	22.118	23.043	23.33	23.742	23.839	24.867
1.974	2.115	2.282	2.407	2.494	2.491	2.489	2.486	2.572
25.042	29.291	33.785	37.437	39.651	39.37	37.479	34.079	30.449
13.551	14.345	15.315	16.12	16.784	17.002	17.317	17.353	18.042
13.779	14.618	15.624	16.443	17.11	17.295	17.575	17.587	18.275
15.536	16.477	17.618	18.554	19.329	19.563	19.908	19.987	20.841
16.788	17.78	18.992	19.991	20.819	21.067	21.439	21.504	22.407
13.233	14.071	15.073	15.884	16.552	16.751	17.046	17.133	17.88
18.043	19.086	20.377	21.448	22.34	22.613	23.001	23.083	24.069
18.135	19.19	20.488	21.562	22.454	22.722	23.117	23.174	24.136
5.318	5.737	6.224	6.588	6.868	6.89	6.88	7.021	7.433
5.889	6.302	6.787	7.176	7.465	7.487	7.458	7.439	7.709
4.353	4.638	4.973	5.235	5.426	5.427	5.405	5.422	5.644
7.053	7.435	7.929	8.345	8.715	8.822	8.838	9.108	9.753
7.061	7.767	8.57	9.146	9.621	9.714	9.763	10.25	11.151
7.847	8.458	9.152	9.698	10.121	10.196	10.225	10.323	10.82
3.343	3.469	3.608	3.717	3.817	3.843	3.878	3.941	4.119
0	0	0	0	0	0	0	0	0
3.592	3.723	3.867	3.98	4.08	4.103	4.132	4.196	4.382
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
3.838	3.97	4.115	4.225	4.323	4.34	4.366	4.431	4.624
2.169	2.273	2.429	2.568	2.684	2.695	2.667	2.74	2.961
2.014	2.153	2.304	2.439	2.544	2.569	2.567	2.57	2.65
2.6	2.743	2.911	3.065	3.194	3.234	3.254	3.307	3.486
0.03	0.026	0.031	0.039	0.043	0.033	0.005	-0.017	-0.038

	Captains&oth officers, fishing vessels	1.12	0.197	0.059	0	0	0.1
	Net, trap & line fishing	0.197	0.089	-0.022	0	0	0.045
	Trapping & rltd	0.151	0.065	-0.046	0	0	0.03
	Fishing, trapping & rltd, nec	0.994	0.275	0.272	0	0	0.094
Forestry	FORESTRY & LOGGING	11.307	1.555	0.991	0	0	0.2
	Foremen/women:Forestry & logging	7.432	0.926	0.702	0	0	0.407
	Forestry conservation	0.836	0.246	0.272	0	0	0.059
	Timber cutting & rltd	17.613	2.436	1.478	0	0	0.245
	Log inspecting,grading,scal,rltd occs	16.772	2.023	1.105	0	0	0.45
	Log hoisting, sorting, moving&rltd occs	11.652	1.949	1.631	0	0	0.342
	Labour&oth elem work:forestry & logging	10.801	1.397	0.761	0	0	0.056
	Forestry & logging, nec	32.558	3.793	2.037	0	0	0.244
Mining	MINING & QUARRYING INCLUDING OIL & GAS FIELD	4.449	2.696	4.036	0	0	0.075
	Foremn/wn:Mining & quarrying, incl oil & gas field occs	3.059	1.688	2.618	0	0	0.109
	Rotary well-drilling & rltd	2.215	0.72	1.075	0	0	0.056
	Rock & soil drilling	10.63	2.144	2.083	0	0	0.083
	Blasting	21.644	2.803	1.54	0	0	0.163
	Min&quarry:cutting,handling,load occs	3.176	0.717	0.828	0	0	0.025
	Labouring & oth element work:min&quarry	5.34	8.779	13.484	0	0	0.061
	Mining&quarrying,inc oil&gas field, nec	2.819	5.018	8.765	0	0	0.106
Processing	PROCESSING	12.757	7.343	11.105	0	0	1.5
	Mineral Ore Treating Occupations	4.039	0.905	1.069	0	0	0.141
	Foremen/women:Mineral ore treating	3.671	0.729	0.886	0	0	0.263
	Crushing & grinding, mineral ores	3.984	0.841	0.9	0	0	0.067
	Mixing,separating,filter&rltd,min ores	3.302	1.011	1.328	0	0	0.232
	Melting & roasting, mineral ores	0.161	0.313	0.528	0	0	-0.08
	Inspect,test,grad&sampl occs:min ores	0.36	0.345	0.571	0	0	0.003
	Labour&oth elemental work:mineral ores	7.966	1.483	1.674	0	0	0.225
	Mineral ore treating, nec	2.92	1.264	1.963	0	0	0.505
	Metal Processing & Related Occupations	30.686	6.414	5.866	0	0	0.472
	Foremn/wn:metal processing & rltd occs	32.187	3.605	2.037	0	0	0.287
	Metal smelt, convert & refining occs	29.034	3.66	2.601	0	0	0.399
	Metal heat-treating	48.597	4.596	3.242	0	0	0.249
	Metal rolling	42.226	6.075	4.44	0	0	1.371
	Moulding, coremaking & metal casting	33.988	3.641	1.851	0	0	0.101
	Metal extruding & drawing	24.371	25.767	34.192	0	0	0.988
	Plating, metal spraying & rltd	11.953	3.167	2.977	0	0	0.575
	Insp,test,grad&sampl occs, metal proc	31.913	24.193	30.266	0	0	1.23
	Labour & oth elemental work:metal proc	25.166	3.073	1.886	0	0	0.289
	Metal processing & rltd, nec	32.709	4.031	2.492	0	0	0.417

0.127	0.476	1.49	2.946	1.551	0.306	0.292	0.22	0.111	0.058	0.052	0.063	0.08	0.088
0.062	0.127	0.287	0.412	0.245	0.169	0.127	0.093	0.042	0.016	0.005	-0.005	-0.002	-0.003
0.047	0.101	0.216	0.318	0.189	0.126	0.094	0.068	0.03	0.007	-0.006	-0.018	-0.021	-0.025
0.132	0.481	1.382	2.497	1.353	0.412	0.361	0.283	0.18	0.144	0.16	0.182	0.227	0.256
0.256	4.054	14.54	31.33	16.46	1.804	2.217	1.811	1.21	0.734	0.637	0.723	0.832	0.909
0.49	2.823	9.585	20.17	10.52	1.177	1.364	1.073	0.637	0.373	0.384	0.509	0.637	0.719
0.113	0.41	1.112	2.114	1.167	0.303	0.297	0.253	0.2	0.181	0.196	0.22	0.249	0.267
0.299	6.178	22.45	48.82	25.61	2.779	3.46	2.837	1.929	1.171	0.992	1.096	1.239	1.342
0.547	5.901	21.26	46.56	24.33	2.384	2.971	2.37	1.534	0.873	0.767	0.896	1.037	1.123
0.416	4.678	15.83	31.45	16.44	2.458	2.763	2.274	1.392	0.844	0.754	0.937	1.171	1.354
0.089	3.717	13.73	30.28	15.94	1.544	1.994	1.641	1.136	0.676	0.556	0.595	0.653	0.695
0.292	11.13	41.28	90.81	46.82	4.177	5.543	4.515	3.04	1.7	1.371	1.545	1.747	1.898
0.097	1.522	5.153	12.03	7.135	2.178	2.661	2.796	2.904	3.03	3.288	3.453	3.73	3.927
0.134	1.107	3.565	8.175	4.791	1.403	1.698	1.757	1.781	1.848	2.026	2.173	2.395	2.551
0.067	0.756	2.601	5.95	3.371	0.612	0.776	0.768	0.746	0.712	0.746	0.804	0.921	1.016
0.106	3.612	13.06	29.2	15.9	1.996	2.64	2.407	2.014	1.598	1.563	1.69	1.883	2.016
0.197	7.292	27.03	60.04	31.83	2.968	4.004	3.314	2.304	1.305	1.054	1.192	1.372	1.488
0.056	1.314	3.991	8.788	4.789	0.737	0.929	0.825	0.621	0.468	0.503	0.64	0.774	0.836
0.085	1.558	5.229	14.21	10.23	6.748	7.975	8.854	9.843	10.85	11.86	12.17	12.77	13.21
0.131	0.884	2.709	7.283	5.34	3.769	4.488	5.05	5.713	6.437	7.148	7.445	8.019	8.464
1.875	5.993	17.1	30.86	18.39	8.092	8.022	7.581	6.449	6.544	7.52	8.251	9.309	10.01
0.197	1.746	5.19	11.05	5.994	1.019	1.194	1.029	0.731	0.562	0.66	0.844	1.016	1.095
0.335	1.68	4.684	9.837	5.302	0.893	1.006	0.831	0.536	0.388	0.52	0.714	0.891	0.969
0.112	1.664	5.072	11.09	6.03	0.94	1.129	0.968	0.686	0.496	0.565	0.722	0.868	0.928
0.306	1.642	4.375	8.672	4.709	1.168	1.272	1.114	0.809	0.71	0.86	1.08	1.279	1.367
-0.06	0.237	0.115	0.469	0.29	0.293	0.364	0.36	0.288	0.26	0.328	0.437	0.523	0.551
0.038	0.389	0.422	0.796	0.498	0.349	0.4	0.385	0.312	0.279	0.35	0.456	0.554	0.594
0.29	3.068	10.19	22.01	11.9	1.617	1.971	1.695	1.224	0.913	1.005	1.247	1.5	1.643
0.649	2.091	4.657	6.487	3.193	1.558	1.68	1.423	0.86	0.853	1.164	1.558	1.86	1.996
0.567	10.79	38.95	85.32	45.15	6.855	8.03	7.072	5.597	4.55	5.179	5.416	5.678	5.85
0.349	11.35	41.54	90.59	46.7	4.533	5.548	4.302	2.575	1.174	1.576	1.73	1.894	1.995
0.478	10.08	37.1	81.33	42.33	4.191	5.297	4.297	2.875	1.735	1.75	2.023	2.308	2.497
0.306	17.12	62.61	135.3	68.09	5.788	7.413	5.615	3.09	1.165	1.378	1.831	2.304	2.71
1.639	15.34	54.26	115.5	59.52	7.331	8.554	6.923	4.614	3.056	3.169	3.617	4.087	4.378
0.132	11.89	43.83	95.93	49.4	4.645	5.713	4.398	2.568	1.003	1.456	1.542	1.664	1.743
1.153	8.095	27.21	65.29	41.29	21.688	24.53	26.09	27.28	29.36	32.72	33.51	34.36	34.9
0.754	5.061	16.26	31.64	17.85	5.218	4.743	3.538	1.705	0.803	1.925	2.115	2.406	2.616
1.431	10.65	36.89	85.98	51.37	20.807	23.72	24.68	25.25	26.56	29.03	29.71	30.46	30.93
0.352	9.192	32.97	70.66	36.64	4.403	4.908	3.662	1.9	0.628	1.392	1.523	1.673	1.779
0.494	11.36	41.54	90.86	47.21	4.724	5.921	4.751	3.079	1.654	1.73	1.924	2.177	2.35

0.08	0.076	0.081	0.092	0.093	0.074	0.035	-0.004	-0.034	1.12	0.197
-0.011	-0.017	-0.016	-0.009	-0.007	-0.015	-0.044	-0.064	-0.087	0.197	0.089
-0.034	-0.041	-0.042	-0.039	-0.038	-0.046	-0.07	-0.093	-0.12	0.151	0.065
0.264	0.278	0.3	0.319	0.332	0.325	0.302	0.292	0.291	0.994	0.275
0.951	1.001	1.06	1.112	1.146	1.139	1.123	1.105	1.125	11.307	1.555
0.744	0.78	0.827	0.871	0.874	0.815	0.748	0.634	0.586	7.432	0.926
0.274	0.283	0.294	0.301	0.304	0.296	0.288	0.28	0.28	0.836	0.246
1.401	1.472	1.555	1.628	1.68	1.683	1.677	1.679	1.73	17.613	2.436
1.145	1.179	1.228	1.269	1.271	1.21	1.149	1.05	1.027	16.772	2.023
1.477	1.613	1.771	1.928	2.04	2.058	2.023	1.998	2.033	11.652	1.949
0.72	0.75	0.784	0.811	0.836	0.844	0.849	0.872	0.913	10.801	1.397
1.985	2.076	2.173	2.257	2.309	2.298	2.288	2.231	2.245	32.558	3.793
4.064	4.175	4.264	4.334	4.375	4.361	4.316	4.246	4.226	4.449	2.696
2.651	2.736	2.81	2.873	2.905	2.881	2.83	2.747	2.715	3.059	1.688
1.085	1.153	1.2	1.232	1.253	1.251	1.238	1.197	1.177	2.215	0.72
2.092	2.157	2.22	2.276	2.314	2.301	2.272	2.229	2.237	10.63	2.144
1.537	1.585	1.647	1.708	1.745	1.724	1.694	1.655	1.686	21.644	2.803
0.844	0.842	0.869	0.921	0.956	0.941	0.9	0.865	0.877	3.176	0.717
13.56	13.81	13.98	14.1	14.17	14.16	14.08	13.98	13.94	5.34	8.779
8.815	9.12	9.331	9.46	9.529	9.513	9.438	9.296	9.211	2.819	5.018
10.41	10.86	11.47	11.98	12.45	12.59	12.51	13.09	14.18	12.757	7.343
1.101	1.098	1.134	1.199	1.236	1.202	1.135	1.074	1.083	4.039	0.905
0.961	0.947	0.973	1.029	1.047	0.99	0.904	0.8	0.772	3.671	0.729
0.926	0.914	0.939	0.993	1.028	1.004	0.951	0.913	0.93	3.984	0.841
1.373	1.371	1.417	1.495	1.533	1.479	1.379	1.293	1.301	3.302	1.011
0.542	0.526	0.538	0.576	0.602	0.592	0.558	0.536	0.549	0.161	0.313
0.589	0.575	0.589	0.628	0.655	0.644	0.611	0.586	0.596	0.36	0.345
1.691	1.722	1.795	1.889	1.946	1.91	1.841	1.757	1.766	7.966	1.483
1.996	1.996	2.072	2.222	2.287	2.205	2.055	1.958	2.016	2.92	1.264
5.916	5.977	6.059	6.155	6.193	6.108	5.96	5.84	5.866	30.686	6.414
2.029	2.071	2.129	2.197	2.233	2.197	2.136	2.09	2.133	32.187	3.605
2.586	2.666	2.772	2.879	2.938	2.902	2.847	2.748	2.762	29.034	3.66
2.998	3.286	3.569	3.856	4.037	4.058	3.91	3.912	3.955	48.597	4.596
4.47	4.607	4.8	4.993	5.052	4.889	4.665	4.423	4.459	42.226	6.075
1.774	1.809	1.861	1.922	1.98	1.996	1.992	2.055	2.184	33.988	3.641
35.12	35.19	35.19	35.25	35.09	34.51	33.62	32.8	32.4	24.371	25.767
2.748	2.908	3.119	3.323	3.477	3.478	3.379	3.403	3.555	11.953	3.167
31.09	31.13	31.13	31.17	31.01	30.51	29.79	29.01	28.65	31.913	24.193
1.832	1.897	1.979	2.071	2.125	2.103	2.047	1.99	2.005	25.166	3.073
2.429	2.518	2.63	2.733	2.8	2.778	2.74	2.717	2.812	32.709	4.031

0.059	0	0	0.1	0.127	0.476	1.49	2.946	1.551
-0.022	0	0	0.045	0.062	0.127	0.287	0.412	0.245
-0.046	0	0	0.03	0.047	0.101	0.216	0.318	0.189
0.272	0	0	0.094	0.132	0.481	1.382	2.497	1.353
0.991	0	0	0.2	0.256	4.054	14.536	31.328	16.462
0.702	0	0	0.407	0.49	2.823	9.585	20.166	10.517
0.272	0	0	0.059	0.113	0.41	1.112	2.114	1.167
1.478	0	0	0.245	0.299	6.178	22.453	48.822	25.612
1.105	0	0	0.45	0.547	5.901	21.264	46.557	24.327
1.631	0	0	0.342	0.416	4.678	15.832	31.445	16.435
0.761	0	0	0.056	0.089	3.717	13.725	30.276	15.942
2.037	0	0	0.244	0.292	11.128	41.283	90.809	46.815
4.036	0	0	0.075	0.097	1.522	5.153	12.028	7.135
2.618	0	0	0.109	0.134	1.107	3.565	8.175	4.791
1.075	0	0	0.056	0.067	0.756	2.601	5.95	3.371
2.083	0	0	0.083	0.106	3.612	13.064	29.203	15.899
1.54	0	0	0.163	0.197	7.292	27.028	60.036	31.825
0.828	0	0	0.025	0.056	1.314	3.991	8.788	4.789
13.484	0	0	0.061	0.085	1.558	5.229	14.206	10.232
8.765	0	0	0.106	0.131	0.884	2.709	7.283	5.34
11.105	0	0	1.5	1.875	5.993	17.1	30.864	18.391
1.069	0	0	0.141	0.197	1.746	5.19	11.052	5.994
0.886	0	0	0.263	0.335	1.68	4.684	9.837	5.302
0.9	0	0	0.067	0.112	1.664	5.072	11.093	6.03
1.328	0	0	0.232	0.306	1.642	4.375	8.672	4.709
0.528	0	0	-0.077	-0.064	0.237	0.115	0.469	0.29
0.571	0	0	0.003	0.038	0.389	0.422	0.796	0.498
1.674	0	0	0.225	0.29	3.068	10.191	22.006	11.895
1.963	0	0	0.505	0.649	2.091	4.657	6.487	3.193
5.866	0	0	0.472	0.567	10.794	38.953	85.316	45.148
2.037	0	0	0.287	0.349	11.347	41.542	90.589	46.702
2.601	0	0	0.399	0.478	10.075	37.103	81.334	42.334
3.242	0	0	0.249	0.306	17.118	62.606	135.3	68.094
4.44	0	0	1.371	1.639	15.34	54.261	115.482	59.521
1.851	0	0	0.101	0.132	11.885	43.826	95.932	49.403
34.192	0	0	0.988	1.153	8.095	27.213	65.288	41.289
2.977	0	0	0.575	0.754	5.061	16.261	31.64	17.851
30.266	0	0	1.23	1.431	10.653	36.886	85.984	51.373
1.886	0	0	0.289	0.352	9.192	32.971	70.659	36.644
2.492	0	0	0.417	0.494	11.36	41.538	90.863	47.214

0.306	0.292	0.22	0.111	0.058	0.052	0.063	0.08	0.088
0.169	0.127	0.093	0.042	0.016	0.005	-0.005	-0.002	-0.003
0.126	0.094	0.068	0.03	0.007	-0.006	-0.018	-0.021	-0.025
0.412	0.361	0.283	0.18	0.144	0.16	0.182	0.227	0.256
1.804	2.217	1.811	1.21	0.734	0.637	0.723	0.832	0.909
1.177	1.364	1.073	0.637	0.373	0.384	0.509	0.637	0.719
0.303	0.297	0.253	0.2	0.181	0.196	0.22	0.249	0.267
2.779	3.46	2.837	1.929	1.171	0.992	1.096	1.239	1.342
2.384	2.971	2.37	1.534	0.873	0.767	0.896	1.037	1.123
2.458	2.763	2.274	1.392	0.844	0.754	0.937	1.171	1.354
1.544	1.994	1.641	1.136	0.676	0.556	0.595	0.653	0.695
4.177	5.543	4.515	3.04	1.7	1.371	1.545	1.747	1.898
2.178	2.661	2.796	2.904	3.03	3.288	3.453	3.73	3.927
1.403	1.698	1.757	1.781	1.848	2.026	2.173	2.395	2.551
0.612	0.776	0.768	0.746	0.712	0.746	0.804	0.921	1.016
1.996	2.64	2.407	2.014	1.598	1.563	1.69	1.883	2.016
2.968	4.004	3.314	2.304	1.305	1.054	1.192	1.372	1.488
0.737	0.929	0.825	0.621	0.468	0.503	0.64	0.774	0.836
6.748	7.975	8.854	9.843	10.852	11.859	12.168	12.771	13.212
3.769	4.488	5.05	5.713	6.437	7.148	7.445	8.019	8.464
8.092	8.022	7.581	6.449	6.544	7.52	8.251	9.309	10.013
1.019	1.194	1.029	0.731	0.562	0.66	0.844	1.016	1.095
0.893	1.006	0.831	0.536	0.388	0.52	0.714	0.891	0.969
0.94	1.129	0.968	0.686	0.496	0.565	0.722	0.868	0.928
1.168	1.272	1.114	0.809	0.71	0.86	1.08	1.279	1.367
0.293	0.364	0.36	0.288	0.26	0.328	0.437	0.523	0.551
0.349	0.4	0.385	0.312	0.279	0.35	0.456	0.554	0.594
1.617	1.971	1.695	1.224	0.913	1.005	1.247	1.5	1.643
1.558	1.68	1.423	0.86	0.853	1.164	1.558	1.86	1.996
6.855	8.03	7.072	5.597	4.55	5.179	5.416	5.678	5.85
4.533	5.548	4.302	2.575	1.174	1.576	1.73	1.894	1.995
4.191	5.297	4.297	2.875	1.735	1.75	2.023	2.308	2.497
5.788	7.413	5.615	3.09	1.165	1.378	1.831	2.304	2.71
7.331	8.554	6.923	4.614	3.056	3.169	3.617	4.087	4.378
4.645	5.713	4.398	2.568	1.003	1.456	1.542	1.664	1.743
21.688	24.534	26.093	27.277	29.355	32.716	33.512	34.361	34.903
5.218	4.743	3.538	1.705	0.803	1.925	2.115	2.406	2.616
20.807	23.721	24.68	25.248	26.555	29.028	29.711	30.457	30.93
4.403	4.908	3.662	1.9	0.628	1.392	1.523	1.673	1.779
4.724	5.921	4.751	3.079	1.654	1.73	1.924	2.177	2.35

0.08	0.076	0.081	0.092	0.093	0.074	0.035	-0.004	-0.034
-0.011	-0.017	-0.016	-0.009	-0.007	-0.015	-0.044	-0.064	-0.087
-0.034	-0.041	-0.042	-0.039	-0.038	-0.046	-0.07	-0.093	-0.12
0.264	0.278	0.3	0.319	0.332	0.325	0.302	0.292	0.291
0.951	1.001	1.06	1.112	1.146	1.139	1.123	1.105	1.125
0.744	0.78	0.827	0.871	0.874	0.815	0.748	0.634	0.586
0.274	0.283	0.294	0.301	0.304	0.296	0.288	0.28	0.28
1.401	1.472	1.555	1.628	1.68	1.683	1.677	1.679	1.73
1.145	1.179	1.228	1.269	1.271	1.21	1.149	1.05	1.027
1.477	1.613	1.771	1.928	2.04	2.058	2.023	1.998	2.033
0.72	0.75	0.784	0.811	0.836	0.844	0.849	0.872	0.913
1.985	2.076	2.173	2.257	2.309	2.298	2.288	2.231	2.245
4.064	4.175	4.264	4.334	4.375	4.361	4.316	4.246	4.226
2.651	2.736	2.81	2.873	2.905	2.881	2.83	2.747	2.715
1.085	1.153	1.2	1.232	1.253	1.251	1.238	1.197	1.177
2.092	2.157	2.22	2.276	2.314	2.301	2.272	2.229	2.237
1.537	1.585	1.647	1.708	1.745	1.724	1.694	1.655	1.686
0.844	0.842	0.869	0.921	0.956	0.941	0.9	0.865	0.877
13.555	13.809	13.984	14.102	14.174	14.161	14.083	13.975	13.94
8.815	9.12	9.331	9.46	9.529	9.513	9.438	9.296	9.211
10.412	10.859	11.468	11.981	12.452	12.585	12.505	13.091	14.181
1.101	1.098	1.134	1.199	1.236	1.202	1.135	1.074	1.083
0.961	0.947	0.973	1.029	1.047	0.99	0.904	0.8	0.772
0.926	0.914	0.939	0.993	1.028	1.004	0.951	0.913	0.93
1.373	1.371	1.417	1.495	1.533	1.479	1.379	1.293	1.301
0.542	0.526	0.538	0.576	0.602	0.592	0.558	0.536	0.549
0.589	0.575	0.589	0.628	0.655	0.644	0.611	0.586	0.596
1.691	1.722	1.795	1.889	1.946	1.91	1.841	1.757	1.766
1.996	1.996	2.072	2.222	2.287	2.205	2.055	1.958	2.016
5.916	5.977	6.059	6.155	6.193	6.108	5.96	5.84	5.866
2.029	2.071	2.129	2.197	2.233	2.197	2.136	2.09	2.133
2.586	2.666	2.772	2.879	2.938	2.902	2.847	2.748	2.762
2.998	3.286	3.569	3.856	4.037	4.058	3.91	3.912	3.955
4.47	4.607	4.8	4.993	5.052	4.889	4.665	4.423	4.459
1.774	1.809	1.861	1.922	1.98	1.996	1.992	2.055	2.184
35.117	35.192	35.193	35.249	35.086	34.513	33.618	32.797	32.403
2.748	2.908	3.119	3.323	3.477	3.478	3.379	3.403	3.555
31.087	31.133	31.133	31.173	31.012	30.514	29.788	29.005	28.646
1.832	1.897	1.979	2.071	2.125	2.103	2.047	1.99	2.005
2.429	2.518	2.63	2.733	2.8	2.778	2.74	2.717	2.812

Yukon Occupation Impact Debt	2002-07	2008-12	2013-25	2000	2001	2002
	Average % Impact					
Clay, Glass & Stone Processing, Forming & Related Occupations	26.928	3.358	2.103	0	0	0.126
Foremn/wn:Clay,glass&stone pro,form&rlt	24.089	2.962	1.53	0	0	0.038
Furnace & kiln workers:clay,glass&stone	14.549	4.068	4.778	0	0	0.762
Separ,grind,crush&mix:clay,glass&stone	20	2.558	1.348	0	0	-0.05
Forming:Clay, glass & stone	46.781	5.427	3.101	0	0	0.353
Insp,test,grad&sampl:clay,glass&stone	30.738	2.822	2.132	0	0	0.247
Labour&oth elem work:clay,glass & stone	43.658	4.729	2.599	0	0	0.321
Clay,glass&stone proc, form&rltd, nec	43.444	5.358	4.3	0	0	0.664
Chemicals, Petroleum, Rubber, Plastic & Related Materials Processing Occupations	16.87	16.774	28.778	0	0	1.95
Foremn/wen:chem,ptrlm,rbbr&plstic proc	16.396	29.353	49.736	0	0	1.991
Mixing & blending occs, chem&rltd mat	16.048	1.478	5.969	0	0	1.844
Filter, strain&separating,chem&rltd mat	3.513	1.278	3.008	0	0	0.882
Distil,sublim,carbonizing,chem&rltd mat	27.252	66.354	100.894	0	0	1.915
Roasting, cooking&drying,chem&rltd mat	11.97	2.612	3.383	0	0	0.499
Crushing&grinding, chemicals&rltd mat	37.564	0.133	4.251	0	0	1.777
Coating&calendering, chemicals&rltd mat	23.056	-6.663	4.585	0	0	3.917
Insp,test,grad&sampling:chem&rltd mat	8.07	17.855	32.364	0	0	1.04
Labour&oth elemental work:chem&rltd mat	20.98	-5.482	3.245	0	0	3.055
Chemicals&rltd materials proc occs, nec	18.285	7.988	16.463	0	0	2.462
Food, Beverage & Related Processing Occupations	7.582	8.126	13.583	0	0	2.09
Foremn/wn:food,bev&rltd processing occs	6.761	7.916	12.843	0	0	2.037
Flour & grain milling	2.555	1.453	2.312	0	0	0.718
Baking, confectionery making&rltd occs	8.282	8.125	14.495	0	0	2.321
Slaughter&meat cut,can,cure&pack occs	9.219	12.148	19.802	0	0	2.752
Fish canning, curing & packing	1.298	1.274	1.971	0	0	0.368
Fruit & veg canning, preserv&pack occs	3.018	2.876	5.525	0	0	0.696
Milk processing & rltd	10.197	3.903	5.841	0	0	1.162
Sugar processing & rltd	0.27	0.509	0.88	0	0	0.038
Insp, test, grading&sampling:food&bev	2.587	4.18	5.973	0	0	0.39
Beverage processing & rltd	2.287	1.948	3.434	0	0	0.574
Labouring&oth elemental work:food&bev	6.598	4.456	8.127	0	0	1.469
Food, bev & rltd processing occs, nec	7.582	3.978	6.139	0	0	0.94
Wood Processing Occupations, Except Pulp & Papermaking	10.649	1.651	1.109	0	0	0.116
Foremn/wn:wood proc, except pulp&paper	5.748	1.787	2.11	0	0	0.278
Sawmill sawyers & rltd	10.594	1.646	1.149	0	0	0.081
Plywood making & rltd	6.859	0.866	0.413	0	0	0.005

2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
										% Impact			
0.16	9.118	34.06	74.99	38.89	3.748	4.835	3.948	2.669	1.577	1.415	1.575	1.773	1.908
0.044	8.015	30.39	67.66	35.18	3.253	4.283	3.503	2.394	1.361	1.109	1.194	1.309	1.388
0.966	5.768	18.99	37.59	20.68	4.727	5	4.437	3.341	2.838	3.133	3.391	3.84	4.134
-0.05	6.597	25.24	56.67	29.67	2.766	3.665	3.023	2.097	1.216	0.983	1.055	1.147	1.211
0.441	15.87	58.45	126.9	64.57	6.183	7.908	6.375	4.248	2.448	2.194	2.41	2.704	2.899
0.288	10.65	39.16	84.58	42.63	3.25	4.429	3.43	2.005	1	1.105	1.497	1.842	2.079
0.394	14.8	54.66	118.6	60.21	5.455	7.047	5.594	3.617	1.957	1.774	1.998	2.282	2.466
0.817	15.26	54.99	118	60.28	6.241	7.709	6.235	4.075	2.558	2.686	3.141	3.667	4.015
2.293	7.404	20.97	42.01	24.39	13.996	15.74	16.78	17.43	20.24	23.85	25.91	27.9	29.21
2.328	6.742	18.25	39.85	26.92	23.074	26.4	29.24	32.02	37.05	42.46	45.08	48.03	50.05
2.204	8.107	23.32	40.25	18.68	2.776	2.697	1.669	-0.166	0.323	2.082	3.777	5.197	6.096
1.03	2.145	5.247	7.684	3.629	1.557	1.53	1.319	0.844	1.063	1.624	2.165	2.685	3.026
2.275	8.346	25.2	67.43	53.92	51.572	59.54	66.48	73.95	82.51	90.32	92.79	96.54	99.37
0.595	4.919	16.06	31.54	16.33	2.741	3.258	2.889	2.165	1.92	2.193	2.608	3.01	3.28
2.128	15.48	51.02	101.5	48.06	2.157	2.465	0.525	-2.165	-2.185	-0.253	1.748	3.362	4.419
4.697	14.26	37.25	57.53	19.86	-3.405	-5.095	-7.232	-10.09	-7.231	-1.916	2.166	5.067	6.666
1.2	2.941	7.965	19.44	14.59	13.591	15.75	17.78	20.01	23.25	26.53	28.02	30.15	31.75
3.59	11.76	32.34	53.48	19.66	-3.26	-4.121	-5.779	-8.144	-6.091	-2.171	1.231	3.643	5.033
2.903	8.929	25.02	45.77	22.67	7.567	8.137	7.968	7.189	9.103	12.17	14.38	16.19	17.28
2.649	5.032	11.24	13.73	10.52	9.762	8.8	8.272	6.798	6.936	7.963	8.795	10.33	11.37
2.575	4.611	10.03	11.59	9.509	9.443	8.543	8.088	6.683	6.774	7.684	8.418	9.826	10.78
0.833	1.346	3.425	5.617	3.329	1.713	1.641	1.501	1.195	1.219	1.426	1.635	1.912	2.099
2.943	5.632	12.52	15.07	11.01	10.207	8.938	8.195	6.5	6.683	7.894	8.911	10.72	11.96
3.497	6.187	13.42	15.44	13.73	13.972	12.91	12.49	10.57	10.7	11.97	12.98	14.99	16.36
0.47	0.89	1.966	2.287	1.714	1.593	1.411	1.296	1.041	1.039	1.179	1.291	1.513	1.661
0.836	1.952	4.729	6.046	3.745	3.312	3.125	2.929	2.434	2.584	3.114	3.619	4.301	4.808
1.434	4.93	14.25	24.93	13.82	4.765	4.712	4.139	3.013	2.89	3.416	3.984	4.724	5.207
0.018	0.075	0.343	0.657	0.463	0.403	0.52	0.537	0.537	0.547	0.577	0.611	0.657	0.706
0.502	1.254	3.178	5.828	4.276	3.817	4.032	4.221	4.245	4.583	5.041	5.257	5.528	5.724
0.704	1.478	3.47	4.47	2.936	2.47	2.184	1.954	1.545	1.587	1.918	2.175	2.61	2.912
1.835	4.099	9.862	13.62	8.439	5.829	5.062	4.47	3.39	3.501	4.293	4.997	6.131	6.908
1.173	3.685	10.42	18	10.7	4.526	4.46	4.177	3.393	3.337	3.817	4.263	4.927	5.381
0.138	3.691	13.54	29.74	15.8	1.828	2.283	1.912	1.352	0.875	0.759	0.811	0.897	0.961
0.336	2.237	7.496	15.26	8.483	1.941	2.149	1.951	1.55	1.346	1.392	1.498	1.675	1.8
0.099	3.626	13.36	29.54	15.77	1.749	2.237	1.906	1.395	0.919	0.798	0.839	0.926	0.99
0.012	2.315	8.686	19.41	10.26	0.93	1.249	1.028	0.717	0.41	0.319	0.331	0.351	0.368

2017	2018	2019	2020	2021	2022	2023	2024	2025	7-Feb	12-Aug
									Average % Im	
1.992	2.085	2.197	2.294	2.374	2.389	2.383	2.442	2.594	26.928	3.358
1.437	1.494	1.566	1.63	1.689	1.714	1.74	1.796	1.912	24.089	2.962
4.289	4.477	4.774	5.051	5.346	5.489	5.523	5.971	6.681	14.549	4.068
1.255	1.307	1.371	1.429	1.484	1.514	1.548	1.612	1.725	20	2.558
3.003	3.114	3.246	3.35	3.436	3.426	3.367	3.434	3.631	46.781	5.427
2.233	2.377	2.506	2.607	2.621	2.505	2.338	2.078	1.926	30.738	2.822
2.561	2.658	2.767	2.851	2.911	2.879	2.81	2.821	2.937	43.658	4.729
4.214	4.415	4.646	4.83	4.952	4.883	4.712	4.697	4.908	43.444	5.358
30.05	30.78	31.29	31.63	31.38	30.39	28.87	27.27	26.29	16.87	16.774
51.45	52.6	53.31	53.72	53.39	52.21	50.32	48.36	47.11	16.396	29.353
6.632	7.167	7.681	8.108	8.048	7.325	6.209	5.062	4.468	16.048	1.478
3.195	3.406	3.625	3.852	3.863	3.601	3.217	2.734	2.54	3.513	1.278
101.5	103.3	104.5	105.2	105.4	105	104.2	103.2	102.9	27.252	66.354
3.449	3.638	3.816	3.999	4.041	3.898	3.639	3.357	3.258	11.97	2.612
5.079	5.707	6.258	6.69	6.576	5.755	4.439	3.127	2.208	37.564	0.133
7.539	8.318	8.911	9.283	8.483	6.182	2.963	-0.692	-3.386	23.056	-6.663
32.94	34.06	34.82	35.26	35.29	34.83	34.05	33.02	32.35	8.07	17.855
5.844	6.56	7.066	7.365	6.624	4.637	1.885	-1.384	-3.893	20.98	-5.482
17.93	18.51	18.96	19.26	18.9	17.71	15.99	14.15	12.94	18.285	7.988
11.98	12.7	13.73	14.58	15.52	16.06	16.35	17.95	20.34	7.582	8.126
11.32	11.95	12.91	13.71	14.6	15.1	15.34	16.87	19.13	6.761	7.916
2.182	2.283	2.431	2.566	2.664	2.663	2.632	2.636	2.773	2.555	1.453
12.7	13.58	14.78	15.75	16.8	17.42	17.78	19.62	22.36	8.282	8.125
17.18	18.15	19.65	20.94	22.45	23.48	24.09	26.85	30.8	9.219	12.148
1.74	1.837	1.983	2.105	2.242	2.313	2.346	2.559	2.878	1.298	1.274
5.117	5.437	5.834	6.155	6.419	6.492	6.511	6.616	6.938	3.018	2.876
5.437	5.708	6.1	6.452	6.734	6.759	6.648	6.913	7.509	10.197	3.903
0.753	0.802	0.852	0.908	0.969	1.033	1.1	1.148	1.194	0.27	0.509
5.836	5.958	6.11	6.247	6.35	6.362	6.336	6.36	6.488	2.587	4.18
3.08	3.274	3.535	3.744	3.952	4.045	4.094	4.371	4.8	2.287	1.948
7.338	7.834	8.486	8.991	9.483	9.667	9.722	10.39	11.5	6.598	4.456
5.641	5.924	6.326	6.667	6.986	7.09	7.065	7.386	8.009	7.582	3.978
1.004	1.056	1.122	1.184	1.244	1.277	1.301	1.358	1.444	10.649	1.651
1.874	1.966	2.099	2.228	2.359	2.436	2.476	2.643	2.89	5.748	1.787
1.032	1.082	1.148	1.207	1.273	1.317	1.352	1.444	1.568	10.594	1.646
0.38	0.394	0.41	0.426	0.444	0.459	0.476	0.497	0.521	6.859	0.866

13-25 act	2000	2001	2002	2003	2004	2005	2006	2007
2.103	0	0	0.126	0.16	9.118	34.064	74.993	38.888
1.53	0	0	0.038	0.044	8.015	30.388	67.661	35.182
4.778	0	0	0.762	0.966	5.768	18.985	37.586	20.678
1.348	0	0	-0.046	-0.052	6.597	25.243	56.668	29.666
3.101	0	0	0.353	0.441	15.868	58.445	126.867	64.572
2.132	0	0	0.247	0.288	10.648	39.161	84.584	42.632
2.599	0	0	0.321	0.394	14.8	54.656	118.572	60.207
4.3	0	0	0.664	0.817	15.257	54.993	118.003	60.278
28.778	0	0	1.95	2.293	7.404	20.974	42.014	24.389
49.736	0	0	1.991	2.328	6.742	18.25	39.846	26.923
5.969	0	0	1.844	2.204	8.107	23.322	40.254	18.679
3.008	0	0	0.882	1.03	2.145	5.247	7.684	3.629
100.894	0	0	1.915	2.275	8.346	25.204	67.429	53.915
3.383	0	0	0.499	0.595	4.919	16.059	31.54	16.327
4.251	0	0	1.777	2.128	15.482	51.019	101.47	48.055
4.585	0	0	3.917	4.697	14.264	37.248	57.525	19.862
32.364	0	0	1.04	1.2	2.941	7.965	19.441	14.585
3.245	0	0	3.055	3.59	11.755	32.34	53.483	19.657
16.463	0	0	2.462	2.903	8.929	25.02	45.773	22.668
13.583	0	0	2.09	2.649	5.032	11.238	13.728	10.52
12.843	0	0	2.037	2.575	4.611	10.03	11.587	9.509
2.312	0	0	0.718	0.833	1.346	3.425	5.617	3.329
14.495	0	0	2.321	2.943	5.632	12.516	15.065	11.008
19.802	0	0	2.752	3.497	6.187	13.417	15.443	13.727
1.971	0	0	0.368	0.47	0.89	1.966	2.287	1.714
5.525	0	0	0.696	0.836	1.952	4.729	6.046	3.745
5.841	0	0	1.162	1.434	4.93	14.253	24.925	13.82
0.88	0	0	0.038	0.018	0.075	0.343	0.657	0.463
5.973	0	0	0.39	0.502	1.254	3.178	5.828	4.276
3.434	0	0	0.574	0.704	1.478	3.47	4.47	2.936
8.127	0	0	1.469	1.835	4.099	9.862	13.619	8.439
6.139	0	0	0.94	1.173	3.685	10.415	18	10.699
1.109	0	0	0.116	0.138	3.691	13.539	29.737	15.804
2.11	0	0	0.278	0.336	2.237	7.496	15.256	8.483
1.149	0	0	0.081	0.099	3.626	13.361	29.54	15.773
0.413	0	0	0.005	0.012	2.315	8.686	19.414	10.259

2008	2009	2010	2011	2012	2013	2014	2015	2016
				% Impact				
3.748	4.835	3.948	2.669	1.577	1.415	1.575	1.773	1.908
3.253	4.283	3.503	2.394	1.361	1.109	1.194	1.309	1.388
4.727	5	4.437	3.341	2.838	3.133	3.391	3.84	4.134
2.766	3.665	3.023	2.097	1.216	0.983	1.055	1.147	1.211
6.183	7.908	6.375	4.248	2.448	2.194	2.41	2.704	2.899
3.25	4.429	3.43	2.005	1	1.105	1.497	1.842	2.079
5.455	7.047	5.594	3.617	1.957	1.774	1.998	2.282	2.466
6.241	7.709	6.235	4.075	2.558	2.686	3.141	3.667	4.015
13.996	15.739	16.78	17.425	20.242	23.846	25.908	27.904	29.21
23.074	26.404	29.236	32.017	37.051	42.463	45.084	48.028	50.045
2.776	2.697	1.669	-0.166	0.323	2.082	3.777	5.197	6.096
1.557	1.53	1.319	0.844	1.063	1.624	2.165	2.685	3.026
51.572	59.543	66.475	73.952	82.505	90.323	92.787	96.543	99.373
2.741	3.258	2.889	2.165	1.92	2.193	2.608	3.01	3.28
2.157	2.465	0.525	-2.165	-2.185	-0.253	1.748	3.362	4.419
-3.405	-5.095	-7.232	-10.092	-7.231	-1.916	2.166	5.067	6.666
13.591	15.754	17.778	20.006	23.247	26.532	28.021	30.147	31.745
-3.26	-4.121	-5.779	-8.144	-6.091	-2.171	1.231	3.643	5.033
7.567	8.137	7.968	7.189	9.103	12.167	14.382	16.188	17.282
9.762	8.8	8.272	6.798	6.936	7.963	8.795	10.325	11.369
9.443	8.543	8.088	6.683	6.774	7.684	8.418	9.826	10.779
1.713	1.641	1.501	1.195	1.219	1.426	1.635	1.912	2.099
10.207	8.938	8.195	6.5	6.683	7.894	8.911	10.719	11.962
13.972	12.908	12.493	10.571	10.699	11.974	12.981	14.988	16.363
1.593	1.411	1.296	1.041	1.039	1.179	1.291	1.513	1.661
3.312	3.125	2.929	2.434	2.584	3.114	3.619	4.301	4.808
4.765	4.712	4.139	3.013	2.89	3.416	3.984	4.724	5.207
0.403	0.52	0.537	0.537	0.547	0.577	0.611	0.657	0.706
3.817	4.032	4.221	4.245	4.583	5.041	5.257	5.528	5.724
2.47	2.184	1.954	1.545	1.587	1.918	2.175	2.61	2.912
5.829	5.062	4.47	3.39	3.501	4.293	4.997	6.131	6.908
4.526	4.46	4.177	3.393	3.337	3.817	4.263	4.927	5.381
1.828	2.283	1.912	1.352	0.875	0.759	0.811	0.897	0.961
1.941	2.149	1.951	1.55	1.346	1.392	1.498	1.675	1.8
1.749	2.237	1.906	1.395	0.919	0.798	0.839	0.926	0.99
0.93	1.249	1.028	0.717	0.41	0.319	0.331	0.351	0.368

2017	2018	2019	2020	2021	2022	2023	2024	2025
1.992	2.085	2.197	2.294	2.374	2.389	2.383	2.442	2.594
1.437	1.494	1.566	1.63	1.689	1.714	1.74	1.796	1.912
4.289	4.477	4.774	5.051	5.346	5.489	5.523	5.971	6.681
1.255	1.307	1.371	1.429	1.484	1.514	1.548	1.612	1.725
3.003	3.114	3.246	3.35	3.436	3.426	3.367	3.434	3.631
2.233	2.377	2.506	2.607	2.621	2.505	2.338	2.078	1.926
2.561	2.658	2.767	2.851	2.911	2.879	2.81	2.821	2.937
4.214	4.415	4.646	4.83	4.952	4.883	4.712	4.697	4.908
30.054	30.776	31.286	31.63	31.376	30.389	28.874	27.273	26.29
51.452	52.595	53.308	53.721	53.392	52.207	50.321	48.363	47.11
6.632	7.167	7.681	8.108	8.048	7.325	6.209	5.062	4.468
3.195	3.406	3.625	3.852	3.863	3.601	3.217	2.734	2.54
101.491	103.26	104.462	105.189	105.388	105.032	104.158	103.208	102.909
3.449	3.638	3.816	3.999	4.041	3.898	3.639	3.357	3.258
5.079	5.707	6.258	6.69	6.576	5.755	4.439	3.127	2.208
7.539	8.318	8.911	9.283	8.483	6.182	2.963	-0.692	-3.386
32.941	34.058	34.819	35.261	35.285	34.834	34.048	33.016	32.351
5.844	6.56	7.066	7.365	6.624	4.637	1.885	-1.384	-3.893
17.933	18.513	18.955	19.258	18.896	17.714	15.994	14.147	12.942
11.976	12.696	13.729	14.582	15.521	16.061	16.348	17.951	20.336
11.315	11.951	12.909	13.706	14.597	15.104	15.342	16.866	19.13
2.182	2.283	2.431	2.566	2.664	2.663	2.632	2.636	2.773
12.7	13.58	14.778	15.75	16.804	17.415	17.784	19.623	22.357
17.183	18.148	19.645	20.937	22.452	23.484	24.088	26.846	30.801
1.74	1.837	1.983	2.105	2.242	2.313	2.346	2.559	2.878
5.117	5.437	5.834	6.155	6.419	6.492	6.511	6.616	6.938
5.437	5.708	6.1	6.452	6.734	6.759	6.648	6.913	7.509
0.753	0.802	0.852	0.908	0.969	1.033	1.1	1.148	1.194
5.836	5.958	6.11	6.247	6.35	6.362	6.336	6.36	6.488
3.08	3.274	3.535	3.744	3.952	4.045	4.094	4.371	4.8
7.338	7.834	8.486	8.991	9.483	9.667	9.722	10.391	11.5
5.641	5.924	6.326	6.667	6.986	7.09	7.065	7.386	8.009
1.004	1.056	1.122	1.184	1.244	1.277	1.301	1.358	1.444
1.874	1.966	2.099	2.228	2.359	2.436	2.476	2.643	2.89
1.032	1.082	1.148	1.207	1.273	1.317	1.352	1.444	1.568
0.38	0.394	0.41	0.426	0.444	0.459	0.476	0.497	0.521

	Wood treating	0.07	0.079	0.127	0	0	0.004
	Insp, test, grad&sampl occs:wood proc	10.824	1.417	0.921	0	0	0.223
	Labouring&oth elemental work:wood proc	16.413	2.331	1.177	0	0	0.075
	Wood proc, except pulp&papermaking, nec	5.473	0.69	0.363	0	0	0.006

	Yukon Occupation Impact Debt	**2002-07** **Average % Impact**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
	Pulp & Papermaking & Related Occupations	25.387	4.509	8.646	0	0	2.575
	Foremn/wn:Pulp & papermaking&rltd occs	24.184	5.089	11.95	0	0	1.672
	Cellulose pulp preparing	39.925	5.68	4.041	0	0	0.692
	Papermaking & finishing	28.325	7.481	15.111	0	0	4.94
	Inspect,test,grad&sampl occs:pulp&paper	23.586	5.667	11.526	0	0	3.532
	Labour & oth elemental work:pulp&paper	24.254	3.44	5.578	0	0	1.436
	Pulp & papermaking & rltd occs, nec	19.5	1.4	4.472	0	0	1.707
	Textile Processing Occupations	12.735	3.536	4.92	0	0	0.96
	Foremen/women:Textile processing	4.016	3.915	5.888	0	0	1.092
	Textile fibre preparing	58.167	6.314	2.355	0	0	0.014
	Textile spinning & twisting	3.681	-0.759	1.755	0	0	0.838
	Textile winding & reeling	0.654	0.791	1.258	0	0	0.184
	Textile weaving	9.392	2.872	4.021	0	0	0.844
	Knitting	3.455	4.233	6.479	0	0	1.114
	Textile bleaching & dyeing	24.609	5.475	7.723	0	0	1.367
	Textile finishing & calendering	15.429	2.953	5.162	0	0	1.342
	Inspect,test,grad&sampl occs, tex proc	10.87	3.283	6.734	0	0	1.371
	Labour&oth elemental work:textile proc	10.076	3.46	4.289	0	0	0.817
	Textile processing, nec	24.004	4.463	4.388	0	0	0.791
	Other Processing Occupations	13.379	2.768	3.963	0	0	1.161
	Foremen/women:oth processing	0.494	0.447	0.468	0	0	0.097
	Tobacco processing	33.538	4.059	2.008	0	0	0.038
	Hide & pelt processing	21.105	2.887	5.864	0	0	2.007
	Insp,test,grad&sampl occs:process nec	13.097	3.745	5.903	0	0	1.7
	Labouring&oth elemental work:oth proc	17.259	3.017	2.57	0	0	0.482
	Oth processing, nec	2.159	1.498	1.787	0	0	0.493
Machining	MACHINING & RELATED	40.532	7.11	5.751	0	0	0.4
	Metal Machining Occupations	14.992	2.384	3.149	0	0	0.704
	Foremen/women:Metal machining	16.462	1.752	2.288	0	0	0.451
	Tool & die making	7.922	1.054	2.743	0	0	0.589
	Machinist & machine tool setting-up	15.24	2.717	3.517	0	0	0.831
	Machine tool operating	19.665	2.184	1.899	0	0	0.289
	Inspect,test,grad&sampl occs:metal mach	13.765	4.239	4.744	0	0	1.365
	Metal machining, nec	19.438	2.391	2.892	0	0	0.266

0.014	0.048	0.113	0.141	0.096	0.075	0.083	0.081	0.077	0.078	0.093	0.096	0.1	0.105
0.255	3.841	13.88	30.14	15.75	1.588	2.032	1.668	1.122	0.682	0.597	0.677	0.774	0.842
0.091	5.58	20.78	46.08	24.37	2.65	3.34	2.731	1.858	1.08	0.834	0.878	0.959	1.025
0.004	1.836	6.931	15.55	8.218	0.745	1.001	0.822	0.566	0.317	0.265	0.277	0.296	0.312
2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
										% Impact			
3.097	12.21	36.46	64.12	31.06	5.899	6.506	5.134	2.484	2.576	4.147	5.963	7.427	8.351
1.977	10.75	33.85	63.28	31.1	5.54	6.338	5.619	3.867	4.093	5.724	7.626	9.448	10.8
0.861	14.19	51.15	109.6	56.72	6.4	8.054	6.624	4.452	2.916	2.729	3.132	3.53	3.778
5.956	16.9	44.55	64.42	29.69	9.883	10.54	8.474	3.906	4.673	7.588	10.8	13.26	14.7
4.117	11.59	33.41	58.37	28.45	6.957	7.169	6.102	3.889	4.283	6.088	8.105	9.913	11.14
1.762	10.49	33.64	63.77	31.64	4.642	5.266	4.009	1.845	1.48	2.328	3.489	4.468	5.128
2.022	8.994	27.61	51.02	23.99	2.429	2.723	1.695	-0.023	0.228	1.621	3.027	4.086	4.723
1.197	5.406	16.88	32.57	17.78	4.235	4.34	3.799	2.805	2.555	2.959	3.404	3.983	4.376
1.375	2.464	5.669	7.541	5.616	4.533	4.235	4.019	3.396	3.424	3.801	4.126	4.7	5.088
0.015	19.28	72.38	160.4	81.78	6.973	9.405	7.545	5.091	2.678	1.918	1.994	2.129	2.23
1.065	2.799	6.7	7.625	2.794	0.769	-0.046	-0.795	-1.902	-1.717	-0.989	-0.324	0.38	0.947
0.224	0.41	0.95	1.126	0.966	0.952	0.884	0.826	0.665	0.641	0.807	0.866	0.98	1.061
1.051	4.088	12.46	23.67	13.12	3.474	3.482	3.056	2.28	2.117	2.48	2.829	3.298	3.604
1.412	2.45	5.166	5.558	4.826	5.003	4.577	4.362	3.596	3.643	4.117	4.482	5.15	5.588
1.69	9.894	32.33	64.49	33.99	6.229	6.868	6.006	4.417	3.933	4.512	5.343	6.28	6.946
1.648	6.83	20.83	39.57	20.64	3.972	3.925	3.167	1.902	1.862	2.761	3.543	4.363	4.876
1.689	5.411	15.26	26.41	14.04	4.17	3.967	3.452	2.348	2.534	3.562	4.464	5.465	6.13
1.02	4.283	13.29	25.49	14.22	3.936	4.067	3.674	2.954	2.713	2.925	3.184	3.563	3.826
0.986	8.862	30.59	64.5	34.31	5.123	5.83	4.967	3.635	2.831	2.891	3.211	3.66	3.962
1.432	5.981	18.33	34.24	17.77	3.861	3.85	3.021	1.689	1.48	2.019	2.652	3.276	3.691
0.127	0.298	0.719	1.047	0.636	0.479	0.495	0.466	0.406	0.394	0.409	0.425	0.443	0.456
0.022	11.28	42.23	93.81	48.44	4.418	5.888	4.807	3.334	1.882	1.572	1.636	1.744	1.834
2.477	9.969	29.78	53.39	26.36	4.726	4.596	3.21	1.025	1.004	2.243	3.5	4.622	5.373
2.064	6.477	18.5	32.11	16.99	5.537	5.163	4.024	2.1	1.953	2.798	3.815	4.845	5.532
0.636	6.253	22	47.01	24.93	3.376	3.939	3.351	2.528	1.93	1.864	2.004	2.201	2.343
0.636	1.281	3.081	4.495	2.774	1.758	1.654	1.53	1.28	1.282	1.395	1.486	1.62	1.699
0.492	14.02	51.18	112.1	58.65	7.637	9.3	7.998	6.061	4.54	4.721	5.002	5.345	5.586
0.861	6.148	20.23	40.4	21.12	3.752	3.725	2.734	1.177	0.554	1.652	2.13	2.612	2.945
0.548	6.315	21.77	45.46	23.49	2.709	2.912	2.111	0.859	0.161	1.296	1.614	1.941	2.162
0.718	3.687	11.28	20.7	10.75	2.643	2.097	1.233	-0.144	-0.523	1.254	1.739	2.212	2.548
1.016	6.364	20.66	40.72	21.36	4.176	4.133	3.08	1.418	0.812	1.837	2.377	2.918	3.29
0.349	7.194	25.55	54.56	28.34	3.083	3.544	2.628	1.269	0.366	1.122	1.367	1.622	1.796
1.693	6.352	18.94	34.79	19.58	6.633	5.981	4.611	2.433	1.677	2.726	3.245	3.896	4.326
0.322	7.233	25.65	54.35	27.96	3.24	3.65	2.812	1.549	0.771	1.705	2.024	2.367	2.624

0.11	0.116	0.123	0.131	0.139	0.148	0.158	0.166	0.173	0.07	0.079
0.877	0.922	0.976	1.028	1.061	1.06	1.056	1.037	1.051	10.824	1.417
1.074	1.132	1.201	1.263	1.321	1.353	1.373	1.413	1.471	16.413	2.331
0.325	0.341	0.359	0.376	0.395	0.413	0.432	0.453	0.477	5.473	0.69
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**
									Average % Im	
8.764	9.25	9.864	10.57	10.77	10.28	9.469	8.66	8.568	25.387	4.509
11.67	12.51	13.41	14.21	14.62	14.43	14.09	13.26	13.08	24.184	5.089
3.872	3.995	4.183	4.409	4.553	4.527	4.433	4.479	4.751	39.925	5.68
15.19	15.88	16.9	18.25	18.67	17.81	16.32	15.14	15.37	28.325	7.481
11.74	12.4	13.17	13.92	14.12	13.55	12.78	11.48	11.02	23.586	5.667
5.473	5.871	6.346	6.875	7.083	6.843	6.33	5.981	6.011	24.254	3.44
5.03	5.35	5.689	6.031	5.971	5.392	4.563	3.569	3.036	19.5	1.4
4.594	4.834	5.154	5.436	5.67	5.702	5.611	5.811	6.297	12.735	3.536
5.297	5.545	5.921	6.25	6.596	6.767	6.843	7.353	8.194	4.016	3.915
2.279	2.327	2.377	2.419	2.47	2.499	2.535	2.62	2.766	58.167	6.314
1.348	1.787	2.265	2.765	3.068	3.05	2.534	2.825	3.139	3.681	-0.759
1.109	1.161	1.238	1.312	1.396	1.451	1.479	1.62	1.826	0.654	0.791
3.766	3.948	4.201	4.417	4.603	4.622	4.552	4.732	5.164	9.392	2.872
5.818	6.086	6.515	6.883	7.275	7.455	7.453	8.111	9.152	3.455	4.233
7.333	7.735	8.224	8.669	8.991	9.007	8.9	8.915	9.387	24.609	5.475
5.15	5.435	5.784	6.062	6.196	6.003	5.615	5.462	5.68	15.429	2.953
6.517	6.905	7.384	7.784	8.045	7.939	7.621	7.593	8.023	10.87	3.283
3.965	4.135	4.371	4.589	4.789	4.864	4.889	5.066	5.463	10.076	3.46
4.123	4.303	4.545	4.749	4.93	4.967	4.934	5.101	5.496	24.004	4.463
3.914	4.169	4.472	4.748	4.864	4.712	4.404	4.176	4.197	13.379	2.768
0.458	0.464	0.474	0.487	0.497	0.498	0.496	0.48	0.479	0.494	0.447
1.889	1.946	2.008	2.067	2.133	2.186	2.244	2.305	2.395	33.538	4.059
5.776	6.24	6.776	7.317	7.525	7.24	6.569	6.247	6.319	21.105	2.887
5.923	6.344	6.835	7.256	7.416	7.126	6.604	6.086	5.986	13.097	3.745
2.423	2.529	2.654	2.754	2.839	2.864	2.9	2.904	3.004	17.259	3.017
1.724	1.771	1.848	1.911	1.957	1.944	1.916	1.899	1.978	2.159	1.498
5.719	5.851	5.996	6.127	6.202	6.144	6.02	5.948	6.035	40.532	7.11
3.143	3.353	3.587	3.801	3.886	3.752	3.514	3.256	3.186	14.992	2.384
2.281	2.403	2.541	2.672	2.733	2.659	2.529	2.408	2.43	16.462	1.752
2.765	2.981	3.207	3.408	3.482	3.344	3.1	2.801	2.666	7.922	1.054
3.51	3.748	4.015	4.26	4.354	4.198	3.924	3.621	3.532	15.24	2.717
1.898	2.002	2.114	2.215	2.259	2.198	2.085	1.985	1.982	19.665	2.184
4.566	4.841	5.203	5.525	5.714	5.589	5.271	5.155	5.316	13.765	4.239
2.788	2.948	3.121	3.272	3.369	3.355	3.311	3.232	3.27	19.438	2.391

0.127	0	0	0.004	0.014	0.048	0.113	0.141	0.096
0.921	0	0	0.223	0.255	3.841	13.879	30.137	15.753
1.177	0	0	0.075	0.091	5.58	20.778	46.078	24.365
0.363	0	0	0.006	0.004	1.836	6.931	15.546	8.218

13-25	2000	2001	2002	2003	2004	2005	2006	2007
act								
8.646	0	0	2.575	3.097	12.21	36.459	64.118	31.059
11.95	0	0	1.672	1.977	10.745	33.854	63.284	31.095
4.041	0	0	0.692	0.861	14.187	51.153	109.582	56.722
15.111	0	0	4.94	5.956	16.896	44.554	64.417	29.693
11.526	0	0	3.532	4.117	11.593	33.406	58.372	28.452
5.578	0	0	1.436	1.762	10.485	33.635	63.767	31.635
4.472	0	0	1.707	2.022	8.994	27.614	51.023	23.99
4.92	0	0	0.96	1.197	5.406	16.878	32.567	17.78
5.888	0	0	1.092	1.375	2.464	5.669	7.541	5.616
2.355	0	0	0.014	0.015	19.277	72.378	160.408	81.779
1.755	0	0	0.838	1.065	2.799	6.7	7.625	2.794
1.258	0	0	0.184	0.224	0.41	0.95	1.126	0.966
4.021	0	0	0.844	1.051	4.088	12.457	23.668	13.124
6.479	0	0	1.114	1.412	2.45	5.166	5.558	4.826
7.723	0	0	1.367	1.69	9.894	32.33	64.487	33.986
5.162	0	0	1.342	1.648	6.83	20.833	39.566	20.641
6.734	0	0	1.371	1.689	5.411	15.258	26.406	14.04
4.289	0	0	0.817	1.02	4.283	13.287	25.486	14.22
4.388	0	0	0.791	0.986	8.862	30.594	64.496	34.31
3.963	0	0	1.161	1.432	5.981	18.331	34.239	17.773
0.468	0	0	0.097	0.127	0.298	0.719	1.047	0.636
2.008	0	0	0.038	0.022	11.282	42.234	93.811	48.44
5.864	0	0	2.007	2.477	9.969	29.779	53.388	26.362
5.903	0	0	1.7	2.064	6.477	18.499	32.113	16.993
2.57	0	0	0.482	0.636	6.253	21.995	47.005	24.934
1.787	0	0	0.493	0.636	1.281	3.081	4.495	2.774
5.751	0	0	0.4	0.492	14.023	51.177	112.054	58.65
3.149	0	0	0.704	0.861	6.148	20.23	40.403	21.121
2.288	0	0	0.451	0.548	6.315	21.774	45.462	23.494
2.743	0	0	0.589	0.718	3.687	11.276	20.703	10.748
3.517	0	0	0.831	1.016	6.364	20.657	40.717	21.356
1.899	0	0	0.289	0.349	7.194	25.549	54.56	28.337
4.744	0	0	1.365	1.693	6.352	18.943	34.787	19.577
2.892	0	0	0.266	0.322	7.233	25.654	54.35	27.961

0.075	0.083	0.081	0.077	0.078	0.093	0.096	0.1	0.105
1.588	2.032	1.668	1.122	0.682	0.597	0.677	0.774	0.842
2.65	3.34	2.731	1.858	1.08	0.834	0.878	0.959	1.025
0.745	1.001	0.822	0.566	0.317	0.265	0.277	0.296	0.312

% Impact

2008	2009	2010	2011	2012	2013	2014	2015	2016
5.899	6.506	5.134	2.484	2.576	4.147	5.963	7.427	8.351
5.54	6.338	5.619	3.867	4.093	5.724	7.626	9.448	10.798
6.4	8.054	6.624	4.452	2.916	2.729	3.132	3.53	3.778
9.883	10.544	8.474	3.906	4.673	7.588	10.804	13.256	14.698
6.957	7.169	6.102	3.889	4.283	6.088	8.105	9.913	11.141
4.642	5.266	4.009	1.845	1.48	2.328	3.489	4.468	5.128
2.429	2.723	1.695	-0.023	0.228	1.621	3.027	4.086	4.723
4.235	4.34	3.799	2.805	2.555	2.959	3.404	3.983	4.376
4.533	4.235	4.019	3.396	3.424	3.801	4.126	4.7	5.088
6.973	9.405	7.545	5.091	2.678	1.918	1.994	2.129	2.23
0.769	-0.046	-0.795	-1.902	-1.717	-0.989	-0.324	0.38	0.947
0.952	0.884	0.826	0.665	0.641	0.807	0.866	0.98	1.061
3.474	3.482	3.056	2.28	2.117	2.48	2.829	3.298	3.604
5.003	4.577	4.362	3.596	3.643	4.117	4.482	5.15	5.588
6.229	6.868	6.006	4.417	3.933	4.512	5.343	6.28	6.946
3.972	3.925	3.167	1.902	1.862	2.761	3.543	4.363	4.876
4.17	3.967	3.452	2.348	2.534	3.562	4.464	5.465	6.13
3.936	4.067	3.674	2.954	2.713	2.925	3.184	3.563	3.826
5.123	5.83	4.967	3.635	2.831	2.891	3.211	3.66	3.962
3.861	3.85	3.021	1.689	1.48	2.019	2.652	3.276	3.691
0.479	0.495	0.466	0.406	0.394	0.409	0.425	0.443	0.456
4.418	5.888	4.807	3.334	1.882	1.572	1.636	1.744	1.834
4.726	4.596	3.21	1.025	1.004	2.243	3.5	4.622	5.373
5.537	5.163	4.024	2.1	1.953	2.798	3.815	4.845	5.532
3.376	3.939	3.351	2.528	1.93	1.864	2.004	2.201	2.343
1.758	1.654	1.53	1.28	1.282	1.395	1.486	1.62	1.699
7.637	9.3	7.998	6.061	4.54	4.721	5.002	5.345	5.586
3.752	3.725	2.734	1.177	0.554	1.652	2.13	2.612	2.945
2.709	2.912	2.111	0.859	0.161	1.296	1.614	1.941	2.162
2.643	2.097	1.233	-0.144	-0.523	1.254	1.739	2.212	2.548
4.176	4.133	3.08	1.418	0.812	1.837	2.377	2.918	3.29
3.083	3.544	2.628	1.269	0.366	1.122	1.367	1.622	1.796
6.633	5.981	4.611	2.433	1.677	2.726	3.245	3.896	4.326
3.24	3.65	2.812	1.549	0.771	1.705	2.024	2.367	2.624

0.11	0.116	0.123	0.131	0.139	0.148	0.158	0.166	0.173
0.877	0.922	0.976	1.028	1.061	1.06	1.056	1.037	1.051
1.074	1.132	1.201	1.263	1.321	1.353	1.373	1.413	1.471
0.325	0.341	0.359	0.376	0.395	0.413	0.432	0.453	0.477
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
8.764	9.25	9.864	10.569	10.772	10.28	9.469	8.66	8.568
11.665	12.513	13.407	14.208	14.62	14.43	14.094	13.264	13.077
3.872	3.995	4.183	4.409	4.553	4.527	4.433	4.479	4.751
15.186	15.878	16.901	18.248	18.671	17.808	16.316	15.138	15.367
11.74	12.399	13.172	13.923	14.121	13.55	12.776	11.476	11.019
5.473	5.871	6.346	6.875	7.083	6.843	6.33	5.981	6.011
5.03	5.35	5.689	6.031	5.971	5.392	4.563	3.569	3.036
4.594	4.834	5.154	5.436	5.67	5.702	5.611	5.811	6.297
5.297	5.545	5.921	6.25	6.596	6.767	6.843	7.353	8.194
2.279	2.327	2.377	2.419	2.47	2.499	2.535	2.62	2.766
1.348	1.787	2.265	2.765	3.068	3.05	2.534	2.825	3.139
1.109	1.161	1.238	1.312	1.396	1.451	1.479	1.62	1.826
3.766	3.948	4.201	4.417	4.603	4.622	4.552	4.732	5.164
5.818	6.086	6.515	6.883	7.275	7.455	7.453	8.111	9.152
7.333	7.735	8.224	8.669	8.991	9.007	8.9	8.915	9.387
5.15	5.435	5.784	6.062	6.196	6.003	5.615	5.462	5.68
6.517	6.905	7.384	7.784	8.045	7.939	7.621	7.593	8.023
3.965	4.135	4.371	4.589	4.789	4.864	4.889	5.066	5.463
4.123	4.303	4.545	4.749	4.93	4.967	4.934	5.101	5.496
3.914	4.169	4.472	4.748	4.864	4.712	4.404	4.176	4.197
0.458	0.464	0.474	0.487	0.497	0.498	0.496	0.48	0.479
1.889	1.946	2.008	2.067	2.133	2.186	2.244	2.305	2.395
5.776	6.24	6.776	7.317	7.525	7.24	6.569	6.247	6.319
5.923	6.344	6.835	7.256	7.416	7.126	6.604	6.086	5.986
2.423	2.529	2.654	2.754	2.839	2.864	2.9	2.904	3.004
1.724	1.771	1.848	1.911	1.957	1.944	1.916	1.899	1.978
5.719	5.851	5.996	6.127	6.202	6.144	6.02	5.948	6.035
3.143	3.353	3.587	3.801	3.886	3.752	3.514	3.256	3.186
2.281	2.403	2.541	2.672	2.733	2.659	2.529	2.408	2.43
2.765	2.981	3.207	3.408	3.482	3.344	3.1	2.801	2.666
3.51	3.748	4.015	4.26	4.354	4.198	3.924	3.621	3.532
1.898	2.002	2.114	2.215	2.259	2.198	2.085	1.985	1.982
4.566	4.841	5.203	5.525	5.714	5.589	5.271	5.155	5.316
2.788	2.948	3.121	3.272	3.369	3.355	3.311	3.232	3.27

Metal Shaping & Forming Occupations, Except Machining	50.507	8.872	6.605	0	0	0.238
Foremn/wn:metal shap&form, ex machining	61.976	12.086	9.375	0	0	0.197
Forging	18.15	2.157	1.925	0	0	0.427
Sheet metal workers	78.264	8.889	3.448	0	0	0.136
Metalworking-machine operators, nec	22.409	2.462	2.321	0	0	0.424
Welding & flame cutting	40.003	9.065	8.219	0	0	0.268
Inspect,test,grad&sampl:metal shap&form	36.881	26.457	32.466	0	0	1.252
Boilermkrs, platers & struct metal wkrs	47.08	5.494	2.426	0	0	0.12
Metal shap&form occs, ex machining, nec	32.237	3.811	2.284	0	0	0.053

Yukon Occupation Impact Debt	2002-07	2008-12	2013-25	2000	2001	2002
	Average % Impact					
Wood Machining Occupations	25.146	8.691	9.394	0	0	0.353
Foremen/women:Wood machining	22.206	2.179	1.249	0	0	0.148
Wood patternmaking	3.804	3.21	9.159	0	0	0.883
Wood sawing & rltd, nec	23.372	3.501	2.846	0	0	0.248
Plane,turn,shaping&rltd wood mach occs	34.265	18.55	20.94	0	0	0.471
Inspect,test,grad&sampl occs:wood mach	0.13	0.249	0.432	0	0	0.014
Wood sanding	18.852	2.918	2.689	0	0	0.51
Wood machining, nec	0.899	0.918	1.595	0	0	0.229
Clay, Glass Stone & Related Materials Machining Occupations	26.673	4.478	3.994	0	0	0.53
Foremn/wn:clay,glass,stne&rltd mat mach	55.925	6.98	3.69	0	0	0.298
Cut&shaping:clay,glass,stne&rltd mat	33.591	4.675	3.254	0	0	0.302
Abrad&polish:clay,glass,stne&rltd mat	19.437	4.778	5.131	0	0	0.745
Insp,test,grad&sampl:clay,glass&stone	10.974	1.164	0.519	0	0	-0.03
Clay,glass,stone&rltd mat mach, nec	6.531	2.73	5.307	0	0	1.123
Other Machining & Related Occupations, NEC	24.327	2.352	5.193	0	0	1.639
Foremn/wn:oth machining&rltd occs, nec	35.385	0.144	4.191	0	0	2.488
Engravers, etchers & rltd occs, nec	16.44	10.701	16.861	0	0	3.838
Filing, grind, buff, clean&polish, nec	24.046	2.245	3.046	0	0	0.864
Patternmakers & mouldmakers, nec	19.33	-0.167	6.295	0	0	2.452
Insp,test,grad&sampl:oth machining,nec	30.847	3.726	3.26	0	0	2.444

0.295	16.96	63	139.6	72.88	9.095	11.41	9.962	7.88	5.976	5.818	6.001	6.27	6.466
0.241	20.55	76.68	171	89.07	12.031	15	13.38	11.08	8.916	8.768	8.926	9.171	9.352
0.535	6.76	23.86	50.68	26.47	3.084	3.447	2.556	1.279	0.514	0.997	1.268	1.552	1.741
0.171	25.98	97.67	215.9	109	10.09	13.18	10.53	7.029	3.687	2.736	2.858	3.076	3.243
0.518	8.411	29.5	62.3	32.04	3.496	3.975	2.961	1.441	0.506	1.458	1.746	2.028	2.208
0.331	13.47	49.7	110.4	58.74	8.833	10.87	9.935	8.465	7.173	7.307	7.52	7.837	8.065
1.456	12.02	42.3	99.34	59.2	22.956	26.22	27.08	27.51	28.62	30.89	31.49	32.26	32.79
0.152	15.82	58.98	130.3	67.21	5.996	8.058	6.545	4.428	2.326	1.878	1.993	2.167	2.292
0.084	11.14	41.15	89.92	46.49	4.473	5.686	4.521	2.893	1.458	1.654	1.798	1.987	2.117

Yukon and Northwest Territories
Employment by Occupation
Standard Occupational Classification
Thousands

2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
									% Impact				
0.436	8.608	31.06	69.26	38.1	8.196	9.596	9.242	8.443	7.987	8.429	8.694	9.003	9.201
0.164	7.691	28.36	62.39	32.09	2.568	3.44	2.65	1.562	0.712	0.755	0.945	1.113	1.221
1.044	2.922	6.782	7.713	3.46	3.241	3.235	3.382	2.829	3.367	4.938	6.124	7.315	8.234
0.302	8.124	29.73	65.04	34.16	3.833	4.793	4.043	2.89	1.963	1.863	2.063	2.331	2.524
0.589	11.29	40.73	93.69	53.88	16.578	19.09	19.25	18.87	18.94	20.07	20.39	20.73	20.93
0.019	0.059	0.168	0.29	0.224	0.205	0.251	0.26	0.262	0.268	0.283	0.3	0.321	0.343
0.647	7.004	24.27	51.11	26.92	3.522	4.042	3.328	2.207	1.564	1.68	1.948	2.278	2.478
0.287	0.564	1.331	1.598	1.34	1.258	1.079	0.959	0.685	0.621	1.053	1.117	1.249	1.342
0.674	9.541	33.98	72.61	38.33	5.164	6.014	5.075	3.588	2.568	2.598	2.858	3.251	3.518
0.382	18.81	69.69	152.9	78.28	7.778	9.951	8.162	5.678	3.374	2.818	2.94	3.197	3.378
0.39	11.57	42.58	92.97	48.43	5.315	6.573	5.42	3.724	2.341	2.161	2.358	2.65	2.856
0.95	7.355	24.9	51.41	28.09	5.464	5.929	5.252	3.993	3.285	3.387	3.657	4.132	4.461
-0.04	3.673	13.85	30.14	15.5	1.326	1.762	1.398	0.894	0.454	0.434	0.454	0.481	0.5
1.393	3.628	9.489	14.68	8.312	3.665	3.263	2.832	1.881	2.02	2.958	3.562	4.304	4.768
1.988	10.65	33.53	64.54	31.87	4.16	4.149	2.735	0.516	0.333	2.04	3.358	4.487	5.199
3.022	16.18	50.04	93.63	43.23	2.426	2.665	0.612	-2.485	-2.266	0.516	2.661	4.157	4.987
4.738	10.71	25.76	33.04	19.23	13.744	13.05	11.39	7.635	7.755	9.592	11.6	13.71	15.12
1.053	9.406	31.92	66.03	33.48	3.432	3.783	2.67	1.026	0.404	1.49	2.128	2.701	3.049
2.933	10.52	29.24	48.8	21.29	2.794	1.772	-0.096	-2.933	-2.115	0.958	3.422	5.39	6.658
2.88	11.82	39.46	82.92	42.81	5.24	5.612	4.236	2.279	1.331	1.828	2.454	3.103	3.483

6.571	6.669	6.767	6.855	6.917	6.891	6.828	6.82	6.945	50.507	8.872
9.441	9.506	9.554	9.598	9.62	9.557	9.451	9.404	9.504	61.976	12.086
1.831	1.934	2.075	2.229	2.32	2.29	2.167	2.179	2.274	18.15	2.157
3.341	3.446	3.553	3.637	3.712	3.722	3.725	3.768	3.899	78.264	8.889
2.294	2.386	2.501	2.622	2.684	2.627	2.508	2.452	2.531	22.409	2.462
8.192	8.303	8.414	8.515	8.585	8.555	8.476	8.461	8.596	40.003	9.065
33.04	33.22	33.31	33.4	33.31	32.93	32.35	31.72	31.46	36.881	26.457
2.359	2.431	2.503	2.563	2.616	2.625	2.632	2.678	2.795	47.08	5.494
2.194	2.283	2.381	2.465	2.525	2.522	2.522	2.54	2.633	32.237	3.811

2017	2018	2019	2020	2021	2022	2023	2024	2025		
9.284	9.367	9.507	9.653	9.774	9.779	9.684	9.732	9.956	25.146	8.691
1.286	1.351	1.411	1.462	1.472	1.42	1.337	1.239	1.191	22.206	2.179
8.84	9.356	9.93	10.47	10.82	10.84	10.73	10.26	10.23	3.804	3.21
2.644	2.773	2.935	3.081	3.214	3.266	3.282	3.379	3.587	23.372	3.501
20.94	20.95	21.04	21.17	21.28	21.24	21	21.05	21.39	34.265	18.55
0.365	0.389	0.416	0.445	0.478	0.512	0.548	0.578	0.608	0.13	0.249
2.57	2.679	2.839	2.982	3.095	3.077	2.956	3.036	3.296	18.852	2.918
1.399	1.467	1.569	1.667	1.774	1.842	1.872	2.031	2.258	0.899	0.918
3.671	3.844	4.084	4.297	4.502	4.578	4.558	4.83	5.317	26.673	4.478
3.47	3.572	3.707	3.821	3.954	4.02	4.053	4.266	4.616	55.925	6.98
2.981	3.127	3.317	3.491	3.658	3.728	3.738	3.962	4.331	33.591	4.675
4.641	4.846	5.153	5.428	5.718	5.872	5.898	6.336	7.072	19.437	4.778
0.51	0.519	0.529	0.539	0.549	0.552	0.551	0.552	0.567	10.974	1.164
5.024	5.3	5.683	6.006	6.258	6.219	5.96	6.157	6.726	6.531	2.73
5.6	5.993	6.402	6.749	6.762	6.264	5.484	4.666	4.292	24.327	2.352
5.357	5.726	6.072	6.433	6.187	5.17	3.72	2.185	1.278	35.385	0.144
15.81	16.66	17.86	19.11	19.94	19.91	19.27	19.38	20.67	16.44	10.701
3.23	3.412	3.612	3.776	3.791	3.548	3.166	2.837	2.749	24.046	2.245
7.455	8.185	8.83	9.322	9.146	8.078	6.511	4.481	3.058	19.33	-0.167
3.553	3.681	3.887	4.068	4.039	3.688	3.29	2.73	2.569	30.847	3.726

6.605	0	0	0.238	0.295	16.959	62.999	139.618	72.881
9.375	0	0	0.197	0.241	20.554	76.68	170.995	89.068
1.925	0	0	0.427	0.535	6.76	23.86	50.678	26.468
3.448	0	0	0.136	0.171	25.981	97.67	215.889	109.049
2.321	0	0	0.424	0.518	8.411	29.503	62.298	32.04
8.219	0	0	0.268	0.331	13.468	49.696	110.396	58.742
32.466	0	0	1.252	1.456	12.015	42.301	99.344	59.195
2.426	0	0	0.12	0.152	15.816	58.977	130.254	67.205
2.284	0	0	0.053	0.084	11.137	41.146	89.916	46.494

9.394	0	0	0.353	0.436	8.608	31.062	69.264	38.096
1.249	0	0	0.148	0.164	7.691	28.355	62.388	32.094
9.159	0	0	0.883	1.044	2.922	6.782	7.713	3.46
2.846	0	0	0.248	0.302	8.124	29.732	65.043	34.156
20.94	0	0	0.471	0.589	11.292	40.725	93.687	53.877
0.432	0	0	0.014	0.019	0.059	0.168	0.29	0.224
2.689	0	0	0.51	0.647	7.004	24.27	51.111	26.916
1.595	0	0	0.229	0.287	0.564	1.331	1.598	1.34
3.994	0	0	0.53	0.674	9.541	33.977	72.607	38.326
3.69	0	0	0.298	0.382	18.805	69.692	152.891	78.284
3.254	0	0	0.302	0.39	11.57	42.582	92.972	48.432
5.131	0	0	0.745	0.95	7.355	24.899	51.411	28.094
0.519	0	0	-0.032	-0.038	3.673	13.846	30.135	15.501
5.307	0	0	1.123	1.393	3.628	9.489	14.681	8.312
5.193	0	0	1.639	1.988	10.65	33.527	64.54	31.874
4.191	0	0	2.488	3.022	16.177	50.04	93.625	43.232
16.861	0	0	3.838	4.738	10.708	25.76	33.044	19.227
3.046	0	0	0.864	1.053	9.406	31.919	66.032	33.476
6.295	0	0	2.452	2.933	10.515	29.244	48.798	21.286
3.26	0	0	2.444	2.88	11.818	39.461	82.922	42.813

9.095	11.407	9.962	7.88	5.976	5.818	6.001	6.27	6.466

12.031	14.998	13.381	11.076	8.916	8.768	8.926	9.171	9.352
3.084	3.447	2.556	1.279	0.514	0.997	1.268	1.552	1.741
10.09	13.176	10.525	7.029	3.687	2.736	2.858	3.076	3.243
3.496	3.975	2.961	1.441	0.506	1.458	1.746	2.028	2.208
8.833	10.87	9.935	8.465	7.173	7.307	7.52	7.837	8.065

22.956	26.217	27.077	27.513	28.618	30.889	31.488	32.255	32.793
5.996	8.058	6.545	4.428	2.326	1.878	1.993	2.167	2.292

4.473	5.686	4.521	2.893	1.458	1.654	1.798	1.987	2.117

8.196	9.596	9.242	8.443	7.987	8.429	8.694	9.003	9.201
2.568	3.44	2.65	1.562	0.712	0.755	0.945	1.113	1.221
3.241	3.235	3.382	2.829	3.367	4.938	6.124	7.315	8.234
3.833	4.793	4.043	2.89	1.963	1.863	2.063	2.331	2.524
16.578	19.088	19.253	18.873	18.935	20.066	20.389	20.734	20.926

0.205	0.251	0.26	0.262	0.268	0.283	0.3	0.321	0.343
3.522	4.042	3.328	2.207	1.564	1.68	1.948	2.278	2.478
1.258	1.079	0.959	0.685	0.621	1.053	1.117	1.249	1.342

5.164	6.014	5.075	3.588	2.568	2.598	2.858	3.251	3.518

7.778	9.951	8.162	5.678	3.374	2.818	2.94	3.197	3.378
5.315	6.573	5.42	3.724	2.341	2.161	2.358	2.65	2.856
5.464	5.929	5.252	3.993	3.285	3.387	3.657	4.132	4.461
1.326	1.762	1.398	0.894	0.454	0.434	0.454	0.481	0.5
3.665	3.263	2.832	1.881	2.02	2.958	3.562	4.304	4.768

4.16	4.149	2.735	0.516	0.333	2.04	3.358	4.487	5.199

2.426	2.665	0.612	-2.485	-2.266	0.516	2.661	4.157	4.987
13.744	13.049	11.394	7.635	7.755	9.592	11.596	13.712	15.116
3.432	3.783	2.67	1.026	0.404	1.49	2.128	2.701	3.049
2.794	1.772	-0.096	-2.933	-2.115	0.958	3.422	5.39	6.658
5.24	5.612	4.236	2.279	1.331	1.828	2.454	3.103	3.483

6.571	6.669	6.767	6.855	6.917	6.891	6.828	6.82	6.945
9.441	9.506	9.554	9.598	9.62	9.557	9.451	9.404	9.504
1.831	1.934	2.075	2.229	2.32	2.29	2.167	2.179	2.274
3.341	3.446	3.553	3.637	3.712	3.722	3.725	3.768	3.899
2.294	2.386	2.501	2.622	2.684	2.627	2.508	2.452	2.531
8.192	8.303	8.414	8.515	8.585	8.555	8.476	8.461	8.596
33.037	33.218	33.31	33.399	33.313	32.925	32.353	31.719	31.463
2.359	2.431	2.503	2.563	2.616	2.625	2.632	2.678	2.795
2.194	2.283	2.381	2.465	2.525	2.522	2.522	2.54	2.633
9.284	9.367	9.507	9.653	9.774	9.779	9.684	9.732	9.956
1.286	1.351	1.411	1.462	1.472	1.42	1.337	1.239	1.191
8.84	9.356	9.93	10.47	10.824	10.843	10.729	10.258	10.227
2.644	2.773	2.935	3.081	3.214	3.266	3.282	3.379	3.587
20.944	20.946	21.035	21.17	21.283	21.239	21.001	21.051	21.387
0.365	0.389	0.416	0.445	0.478	0.512	0.548	0.578	0.608
2.57	2.679	2.839	2.982	3.095	3.077	2.956	3.036	3.296
1.399	1.467	1.569	1.667	1.774	1.842	1.872	2.031	2.258
3.671	3.844	4.084	4.297	4.502	4.578	4.558	4.83	5.317
3.47	3.572	3.707	3.821	3.954	4.02	4.053	4.266	4.616
2.981	3.127	3.317	3.491	3.658	3.728	3.738	3.962	4.331
4.641	4.846	5.153	5.428	5.718	5.872	5.898	6.336	7.072
0.51	0.519	0.529	0.539	0.549	0.552	0.551	0.552	0.567
5.024	5.3	5.683	6.006	6.258	6.219	5.96	6.157	6.726
5.6	5.993	6.402	6.749	6.762	6.264	5.484	4.666	4.292
5.357	5.726	6.072	6.433	6.187	5.17	3.72	2.185	1.278
15.813	16.659	17.86	19.108	19.943	19.911	19.268	19.383	20.67
3.23	3.412	3.612	3.776	3.791	3.548	3.166	2.837	2.749
7.455	8.185	8.83	9.322	9.146	8.078	6.511	4.481	3.058
3.553	3.681	3.887	4.068	4.039	3.688	3.29	2.73	2.569

	Oth machining & rltd, nec	37.774	1.459	5.55	0	0	1.729
Fabricating	PRODUCT FABRICATING, ASSEMBLING & REPAIRING	23.919	9.548	11.713	0	0	1.57
	Fabricating & Assembling Occupations: Metal Products NEC	30.293	8.752	7.211	0	0	1.085
	Foremn/wn:Fabric&assembl,metal prod,nec	31.166	8.538	8.292	0	0	1.324
	Engine&rltd eqpt fabric&assembling, nec	9.186	22.62	34.025	0	0	0.912
	Motor vehicle fabric & assembling, nec	18.074	5.977	8.517	0	0	1.509
	Aircraft fabric & assembling occs, nec	35.617	35.055	18.897	0	0	4.106
	Mechanized eqpt fabric & assmbling, nec	71.922	8.143	3.295	0	0	0.15
	Business&commer mach fabric&assmbl, nec	5.719	3.343	13.962	0	0	1.491
	Insp,test,grad&sampl:fbric&assmbl nec	22.332	14.292	8.929	0	0	1.884
	Precision instrum&rltd fbric&assmbl,nec	12.647	3.782	5.634	0	0	1.08
	Labour&oth elem work:fabric&assembl nec	14.275	1.534	2.537	0	0	0.194
	Oth fabric & assembling:metal prod, nec	26.711	3.662	3.261	0	0	0.439

Yukon Occupation Impact Debt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
	Average % Impact					
Fabricating, Assembling, Installing & Repairing Occupations: Electrical, Electronic & Related Equipment	41.496	8.367	9.016	0	0	0.897
Foremn/wmn:fabric&assemb:elec&rltd eqpt	46.396	7.435	7.084	0	0	0.752
Electrical & rltd eqpt fabric & assembl	47.467	5.974	4.359	0	0	0.42
Electrical&rltd eqpt install&repair,nec	55.14	9.121	6.631	0	0	0.575
Electronic & rltd eqpt fabric & assembl	26.201	5.699	10.124	0	0	1.404
Electronic&rltd eqpt install&repair,nec	22.374	8.103	14.604	0	0	1.191
Inspect etc:fabric&rltd,elect&rltd eqpt	21.589	4.313	8.181	0	0	1.545
Radio & television repairers	11.988	9.18	14.613	0	0	2.078
Labour&oth:fabric&rltd, elect&rltd eqpt	37.207	6.119	7.729	0	0	0.748
Fabric&rltd:electrical&rltd eqpt, nec	39.609	6.115	6.086	0	0	1.231
Fabricating, Assembling & Repairing Occupations: Wood Products	58.275	7.803	4.817	0	0	0.468
Foremn/wn:fabri,assemb&repair:wood prod	63.743	8.342	4.856	0	0	0.435
Cabinet & wood furniture makers	61.659	8.036	4.744	0	0	0.445
Insp&rltd:fabric,assembl&repair, wood	31.375	4.915	3.539	0	0	0.406
Labour:fabric,assembl&repair,wood prods	33.964	6.478	5.969	0	0	0.778
Fabric, assembl&repair:wood prods, nec	41.035	6.27	4.805	0	0	0.518
Fabricating, Assembling & Repairing Occupations: Textile, Fur & Leather Products	15.989	10.445	16.667	0	0	3.302
Foremn/wn:fabri&rltd:tex,fur&leath prod	18.998	11.98	19.445	0	0	4.139

2.056	15.42	50.86	102.1	48.98	2.921	3.523	1.941	-0.449	-0.493	1.563	3.42	4.915	5.859
1.977	9.77	31.18	61.49	35.12	10.913	11.25	10.16	8.046	7.336	7.823	8.545	9.635	10.42
1.369	11.53	39.2	80.71	44.74	11.363	11.7	9.621	6.419	4.691	4.595	5.071	5.795	6.362
1.689	12	40.22	82.51	45.68	10.422	10.89	9.355	6.748	5.28	5.428	5.834	6.621	7.173
1.1	3.148	8.732	21.65	18.59	18.538	20.69	22.76	24.53	27.01	29.87	30.79	32.22	33.27
1.871	7.91	24.3	45.84	25.46	7.264	7.269	6.413	4.685	4.263	5.042	5.785	6.801	7.497
5.255	17.42	49.2	78.21	61.34	54.693	49.44	37.79	20.67	12.85	8.241	9.605	12.21	14.65
0.18	23.83	89.71	198.7	100.7	9.08	12.01	9.644	6.529	3.511	2.611	2.743	2.957	3.116
1.667	4.455	10.67	12.05	3.658	2.799	3.073	3.463	2.952	4.392	6.732	9.017	11.18	12.85
2.4	9.912	30.1	53.73	35.47	21.644	20.01	15.46	8.76	5.695	4.246	4.953	6.141	7.188
1.321	5.496	16.9	31.88	17.34	4.447	4.588	4.087	3.012	2.759	3.208	3.746	4.441	4.949
0.229	5.394	18.96	39.78	20.49	2.368	2.537	1.864	0.773	0.135	1.455	1.751	2.06	2.299
0.556	9.78	34.7	74.01	38.55	4.632	5.332	4.265	2.635	1.504	2.102	2.364	2.703	2.942

2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
									% Impact				
1.108	14.85	52.87	113	59.32	8.952	10.56	9.292	7.177	5.855	6.044	6.721	7.572	8.21
0.924	16.36	59.08	127	65.81	8.279	10.02	8.472	6.059	4.362	4.3	4.934	5.717	6.32
0.496	16.28	59.74	130.5	66.99	6.504	8.471	6.999	4.855	3.026	2.826	3.216	3.677	4.025
0.734	18.82	69.11	151.3	78.88	9.986	12.15	10.32	7.675	5.48	5.04	5.329	5.791	6.129
1.656	10.48	34.84	69.63	35.63	6.074	6.952	6.261	4.741	4.473	5.465	6.743	8.108	9.142
1.418	9.185	30.15	59.24	30.83	7.8	8.877	8.617	7.486	7.735	9.111	10.58	12.14	13.35
1.786	8.729	28.68	57.26	29.01	4.761	5.396	4.741	3.416	3.256	4.169	5.382	6.601	7.52
2.624	6.384	16.68	26.2	17.29	10.374	9.971	9.544	7.979	7.979	8.975	9.829	11.34	12.39
0.89	13.54	47.89	101.1	51.96	6.451	7.985	6.96	5.132	4.098	4.481	5.342	6.26	6.967
1.474	14.36	50.46	107.3	55.58	6.962	8.256	6.936	4.874	3.594	3.749	4.387	5.122	5.635
0.6	19.83	73.15	160.4	82.6	8.704	10.98	9.067	6.357	3.976	3.447	3.689	4.091	4.367
0.561	21.53	79.8	175.4	90.07	9.281	11.79	9.715	6.805	4.185	3.537	3.757	4.145	4.41
0.57	20.9	77.33	169.8	87.19	8.963	11.38	9.364	6.527	4.004	3.425	3.663	4.054	4.322
0.52	11.02	39.83	86.44	45.55	5.636	6.745	5.647	3.992	2.656	2.529	2.674	2.961	3.149
0.998	12.24	43.25	92.36	49.25	7.339	8.455	7.285	5.363	4.025	3.957	4.291	4.858	5.234
0.663	14.28	51.74	112.3	58.62	6.96	8.502	7.183	5.188	3.556	3.291	3.556	3.979	4.282
4.165	8.632	22.07	34.87	21.77	11.996	11.34	10.64	8.992	9.277	10.54	11.69	13.34	14.5
5.219	10.29	26.16	41.4	25.41	13.682	12.9	12.08	10.37	10.88	12.42	13.79	15.68	17.01

6.421	6.916	7.35	7.668	7.533	6.772	5.667	4.342	3.538	37.774	1.459
10.91	11.46	12.17	12.77	13.3	13.44	13.36	13.76	14.65	23.919	9.548
6.771	7.226	7.757	8.204	8.512	8.491	8.263	8.157	8.278	30.293	8.752
7.497	7.88	8.431	8.908	9.378	9.56	9.539	10.14	11.16	31.166	8.538
33.91	34.43	34.96	35.37	35.69	35.71	35.44	35.33	35.69	9.186	22.62
7.895	8.331	8.927	9.442	9.874	9.941	9.775	10.13	10.96	18.074	5.977
16.98	19.69	22.58	24.92	26.23	25.82	24.26	21.66	18.99	35.617	35.055
3.201	3.292	3.387	3.463	3.53	3.541	3.551	3.598	3.734	71.922	8.143
13.95	14.91	15.86	16.63	16.97	16.7	16.26	14.89	14.21	5.719	3.343
8.122	9.203	10.37	11.32	11.86	11.7	11.12	10.24	9.45	22.332	14.292
5.237	5.552	5.954	6.33	6.615	6.668	6.537	6.679	7.139	12.647	3.782
2.458	2.606	2.757	2.899	2.989	2.976	2.922	2.822	2.833	14.275	1.534
3.075	3.217	3.398	3.569	3.706	3.721	3.664	3.752	3.995	26.711	3.662
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**
									Average % Im	
8.622	9.042	9.52	9.913	10.21	10.24	10.2	10.18	10.51	41.496	8.367
6.723	7.129	7.575	7.943	8.211	8.237	8.209	8.144	8.369	46.396	7.435
4.239	4.446	4.664	4.845	4.964	4.951	4.914	4.827	4.922	47.467	5.974
6.33	6.548	6.813	7.034	7.231	7.278	7.257	7.435	7.83	55.14	9.121
9.801	10.45	11.15	11.73	12.07	11.99	11.82	11.31	11.32	26.201	5.699
14.19	15.01	15.86	16.54	16.94	16.88	16.8	16.1	15.93	22.374	8.103
8.095	8.669	9.272	9.777	9.994	9.797	9.575	8.782	8.449	21.589	4.313
13.02	13.75	14.81	15.68	16.62	17.13	17.39	18.79	20.99	11.988	9.18
7.431	7.872	8.345	8.756	9.026	9.026	8.965	8.718	8.824	37.207	6.119
5.914	6.207	6.559	6.854	7.034	6.965	6.813	6.7	6.927	39.609	6.115
4.514	4.676	4.895	5.084	5.279	5.352	5.366	5.626	6.101	58.275	7.803
4.55	4.704	4.914	5.094	5.288	5.367	5.391	5.671	6.164	63.743	8.342
4.463	4.618	4.826	5.004	5.188	5.251	5.261	5.505	5.958	61.659	8.036
3.236	3.342	3.516	3.677	3.861	3.955	3.979	4.263	4.717	31.375	4.915
5.43	5.657	6.008	6.326	6.665	6.821	6.847	7.319	8.119	33.964	6.478
4.455	4.645	4.896	5.112	5.329	5.425	5.456	5.704	6.164	41.035	6.27
15.18	16.03	17.16	18.13	19.02	19.4	19.65	20.31	21.81	15.989	10.445
17.81	18.83	20.15	21.25	22.22	22.59	22.96	23.39	24.78	18.998	11.98

5.55	0	0	1.729	2.056	15.417	50.858	102.135	48.982
11.713	0	0	1.57	1.977	9.77	31.178	61.486	35.123
7.211	0	0	1.085	1.369	11.528	39.204	80.706	44.743
8.292	0	0	1.324	1.689	11.997	40.224	82.512	45.681
34.025	0	0	0.912	1.1	3.148	8.732	21.651	18.588
8.517	0	0	1.509	1.871	7.91	24.299	45.838	25.456
18.897	0	0	4.106	5.255	17.419	49.204	78.209	61.337
3.295	0	0	0.15	0.18	23.831	89.714	198.71	100.684
13.962	0	0	1.491	1.667	4.455	10.674	12.049	3.658
8.929	0	0	1.884	2.4	9.912	30.104	53.725	35.47
5.634	0	0	1.08	1.321	5.496	16.897	31.877	17.341
2.537	0	0	0.194	0.229	5.394	18.961	39.78	20.488
3.261	0	0	0.439	0.556	9.78	34.699	74.006	38.551

13-25 **act**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
9.016	0	0	0.897	1.108	14.85	52.873	113	59.321
7.084	0	0	0.752	0.924	16.364	59.08	127.034	65.805
4.359	0	0	0.42	0.496	16.278	59.742	130.51	66.991
6.631	0	0	0.575	0.734	18.819	69.106	151.304	78.884
10.124	0	0	1.404	1.656	10.484	34.838	69.631	35.629
14.604	0	0	1.191	1.418	9.185	30.149	59.244	30.827
8.181	0	0	1.545	1.786	8.729	28.684	57.263	29.011
14.613	0	0	2.078	2.624	6.384	16.681	26.2	17.289
7.729	0	0	0.748	0.89	13.541	47.892	101.108	51.957
6.086	0	0	1.231	1.474	14.36	50.462	107.305	55.578
4.817	0	0	0.468	0.6	19.827	73.146	160.379	82.602
4.856	0	0	0.435	0.561	21.529	79.803	175.436	90.067
4.744	0	0	0.445	0.57	20.898	77.331	169.806	87.188
3.539	0	0	0.406	0.52	11.015	39.831	86.437	45.549
5.969	0	0	0.778	0.998	12.237	43.254	92.36	49.252
4.805	0	0	0.518	0.663	14.278	51.736	112.277	58.619
16.667	0	0	3.302	4.165	8.632	22.072	34.865	21.765
19.445	0	0	4.139	5.219	10.291	26.163	41.398	25.41

2.921	3.523	1.941	-0.449	-0.493	1.563	3.42	4.915	5.859
10.913	11.254	10.159	8.046	7.336	7.823	8.545	9.635	10.415
11.363	11.701	9.621	6.419	4.691	4.595	5.071	5.795	6.362
10.422	10.894	9.355	6.748	5.28	5.428	5.834	6.621	7.173
18.538	20.688	22.755	24.53	27.009	29.865	30.786	32.215	33.274
7.264	7.269	6.413	4.685	4.263	5.042	5.785	6.801	7.497
54.693	49.437	37.79	20.665	12.853	8.241	9.605	12.211	14.651
9.08	12.006	9.644	6.529	3.511	2.611	2.743	2.957	3.116
2.799	3.073	3.463	2.952	4.392	6.732	9.017	11.175	12.849
21.644	20.006	15.464	8.76	5.695	4.246	4.953	6.141	7.188
4.447	4.588	4.087	3.012	2.759	3.208	3.746	4.441	4.949
2.368	2.537	1.864	0.773	0.135	1.455	1.751	2.06	2.299
4.632	5.332	4.265	2.635	1.504	2.102	2.364	2.703	2.942

2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
				% Impact				
8.952	10.561	9.292	7.177	5.855	6.044	6.721	7.572	8.21
8.279	10.024	8.472	6.059	4.362	4.3	4.934	5.717	6.32
6.504	8.471	6.999	4.855	3.026	2.826	3.216	3.677	4.025
9.986	12.153	10.321	7.675	5.48	5.04	5.329	5.791	6.129
6.074	6.952	6.261	4.741	4.473	5.465	6.743	8.108	9.142
7.8	8.877	8.617	7.486	7.735	9.111	10.58	12.136	13.348
4.761	5.396	4.741	3.416	3.256	4.169	5.382	6.601	7.52
10.374	9.971	9.544	7.979	7.979	8.975	9.829	11.343	12.389
6.451	7.985	6.96	5.132	4.098	4.481	5.342	6.26	6.967
6.962	8.256	6.936	4.874	3.594	3.749	4.387	5.122	5.635
8.704	10.975	9.067	6.357	3.976	3.447	3.689	4.091	4.367
9.281	11.791	9.715	6.805	4.185	3.537	3.757	4.145	4.41
8.963	11.382	9.364	6.527	4.004	3.425	3.663	4.054	4.322
5.636	6.745	5.647	3.992	2.656	2.529	2.674	2.961	3.149
7.339	8.455	7.285	5.363	4.025	3.957	4.291	4.858	5.234
6.96	8.502	7.183	5.188	3.556	3.291	3.556	3.979	4.282
11.996	11.337	10.636	8.992	9.277	10.541	11.686	13.342	14.498
13.682	12.895	12.084	10.371	10.883	12.42	13.791	15.681	17.006

6.421	6.916	7.35	7.668	7.533	6.772	5.667	4.342	3.538
10.908	11.457	12.17	12.771	13.296	13.438	13.363	13.761	14.649
6.771	7.226	7.757	8.204	8.512	8.491	8.263	8.157	8.278
7.497	7.88	8.431	8.908	9.378	9.56	9.539	10.143	11.163
33.907	34.428	34.958	35.368	35.686	35.705	35.436	35.327	35.685
7.895	8.331	8.927	9.442	9.874	9.941	9.775	10.133	10.957
16.982	19.69	22.584	24.921	26.225	25.821	24.255	21.659	18.991
3.201	3.292	3.387	3.463	3.53	3.541	3.551	3.598	3.734
13.953	14.905	15.855	16.629	16.968	16.698	16.255	14.886	14.213
8.122	9.203	10.372	11.317	11.858	11.703	11.122	10.244	9.45
5.237	5.552	5.954	6.33	6.615	6.668	6.537	6.679	7.139
2.458	2.606	2.757	2.899	2.989	2.976	2.922	2.822	2.833
3.075	3.217	3.398	3.569	3.706	3.721	3.664	3.752	3.995
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
8.622	9.042	9.52	9.913	10.207	10.235	10.195	10.178	10.51
6.723	7.129	7.575	7.943	8.211	8.237	8.209	8.144	8.369
4.239	4.446	4.664	4.845	4.964	4.951	4.914	4.827	4.922
6.33	6.548	6.813	7.034	7.231	7.278	7.257	7.435	7.83
9.801	10.447	11.149	11.734	12.073	11.99	11.821	11.314	11.322
14.187	15.008	15.856	16.536	16.941	16.875	16.802	16.1	15.933
8.095	8.669	9.272	9.777	9.994	9.797	9.575	8.782	8.449
13.019	13.75	14.81	15.684	16.622	17.126	17.387	18.793	20.994
7.431	7.872	8.345	8.756	9.026	9.026	8.965	8.718	8.824
5.914	6.207	6.559	6.854	7.034	6.965	6.813	6.7	6.927
4.514	4.676	4.895	5.084	5.279	5.352	5.366	5.626	6.101
4.55	4.704	4.914	5.094	5.288	5.367	5.391	5.671	6.164
4.463	4.618	4.826	5.004	5.188	5.251	5.261	5.505	5.958
3.236	3.342	3.516	3.677	3.861	3.955	3.979	4.263	4.717
5.43	5.657	6.008	6.326	6.665	6.821	6.847	7.319	8.119
4.455	4.645	4.896	5.112	5.329	5.425	5.456	5.704	6.164
15.181	16.032	17.164	18.126	19.018	19.395	19.653	20.305	21.81
17.806	18.834	20.146	21.246	22.221	22.593	22.955	23.39	24.776

Patternmak,mark&cut:tex,fur&leath prod	13.174	7.664	15.459	0	0	1.928
Tailors & dressmakers	17.527	11.809	18.795	0	0	3.842
Furriers	14.622	7.732	10.548	0	0	1.797
Milliners, hat & cap makers	10.842	4.782	10.969	0	0	2.602
Shoemaking & repairing	21.702	12.509	19.518	0	0	4.657
Upholsterers	12.883	10.916	16.478	0	0	2.415
Sewing machine operators, textile mat	14.608	9.455	15.309	0	0	3.04
Inspect&rltd:fabric&rltd,tex,fur&leath	9.44	7.044	12.542	0	0	2.39
Labour:fabri,assmbl&repair,tex,fur&lthr	9.469	7.646	12.773	0	0	2.396
Fabric&rltd:tex,fur&leather prod, nec	13.67	5.962	9.341	0	0	1.97
Fabricating, Assembling & Repairing Occupations: Rubber, Plastic & Related Products	16.36	-7.379	4.718	0	0	4.019
Foremn/wn:fabric&rltd:rubber&rltd prods	25.333	-10.812	3.387	0	0	4.947
Bond&cementing:rubber,plastic&rltd prod	6.456	3.983	7.941	0	0	1.679
Moulding:Rubber, plastic&rltd products	20.456	-18.431	1.919	0	0	6.192
Cut&finishing:rubber, plastic&rltd prod	34.097	-5.533	3.082	0	0	3.92
Insp&rltd:fabric&rltd,rubber&rltd prod	11.964	-8.344	5.417	0	0	3.836
Labour:fabri&rltd,rubbr,plast&rltd prod	23.651	-16.769	1.752	0	0	5.848
Fabri,assmb&repair:rbbr&rltd prods, nec	23.416	-12.733	3.936	0	0	5.385

Yukon Occupation Impact Debt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
	Average % Impact					
Mechanics & Repairers, NEC	17.573	10.979	13.493	0	0	1.565
Foremen/women:Mechanics&repairers, nec	16.05	12.007	15.886	0	0	1.846
Motor vehicle mechanics & repairers	10.762	10.036	14.922	0	0	2.073
Aircraft mechanics & repairers	34.304	35.706	20.344	0	0	3.554
Rail transport eqpt mechanics&repairers	6.631	2.844	3.362	0	0	0.321
Indust,farm&construc mach mechncs&reprs	28.717	7.289	7.043	0	0	0.331
Business&commercial mach mechncs&reprs	14.662	6.883	15.336	0	0	1.223
Inspecting & rltd:eqpt repair, nec	13.183	32.044	38.346	0	0	0.988
Watch & clock repairers	16.874	31.643	42.737	0	0	1.63
Precision instrument mechncs&repairers	10.883	27.277	40.514	0	0	0.837
Oth mechanics & repairers, nec	18.808	11.56	15.604	0	0	1.128
Other Product Fabricating, Assembling & Repairing Occupations	12.406	5.86	9.173	0	0	1.647
Foremn/wmn:oth prod fabric,assmbl&repr	32.583	4.959	4.311	0	0	0.768
Jewellery&silverware fabric,assmbl&repr	7.866	7.808	11.218	0	0	1.896
Marine craft fabric, assembl&repair	15.213	2.746	2.841	0	0	0.412
Paper product fabricating & assembling	23.839	1.12	13.14	0	0	5.089
Painting & decorating, nec	7.234	9.716	14.629	0	0	1.906
Inspct&rltd:oth prod fabric,assmbl&repr	3.499	1.585	4.435	0	0	0.929
Labour:oth prod fabricat,assembl&repair	19.469	2.332	3.853	0	0	0.782
Oth prod fabricat, assmbl & repair, nec	12.323	2.18	4.793	0	0	1.253
Constructic CONSTRUCTION TRADES	77.459	9.664	4.844	0	0	0.128

2.344	6.919	18.98	30.65	17.11	8.048	8.157	8.026	6.821	7.281	8.794	10.34	12.2	13.6
4.855	9.544	24.1	37.79	23.84	13.497	12.71	11.95	10.25	10.64	12.03	13.26	15.06	16.31
2.275	6.758	19.44	34.99	21.34	8.811	8.646	8.074	6.702	6.417	6.947	7.474	8.46	9.129
3.292	7.631	18.08	21.11	11.69	8.064	6.579	5.056	2.062	2.13	3.506	4.949	6.797	8.213
5.884	11.48	29.58	48.01	28.88	14.34	13.52	12.55	10.82	11.35	12.85	14.18	15.97	17.22
3.081	7.022	17.79	27.16	19.22	12.705	11.99	11.36	9.338	9.144	10.12	10.99	12.67	13.79
3.824	7.969	20.31	31.77	19.66	10.896	10.28	9.63	8.096	8.387	9.595	10.7	12.26	13.36
2.976	5.72	13.68	19.22	12.06	8.092	7.557	7.159	5.998	6.438	7.641	8.717	10.13	11.1
2.993	5.783	13.74	18.86	12.26	8.748	8.259	7.851	6.562	6.849	7.938	8.918	10.25	11.2
2.456	6.693	18.7	32.4	18.4	6.97	6.787	6.199	4.936	4.962	5.815	6.617	7.637	8.342
4.762	11.75	28.23	38.48	10.24	-4.319	-6.184	-8.04	-10.65	-7.518	-2.344	1.825	4.898	6.639
5.858	16.21	41.55	62.91	19.37	-6.861	-9.008	-11.63	-15.03	-11.19	-4.809	0.453	4.18	6.26
2.054	4.387	10.17	12.75	7.393	5.123	4.561	4.085	2.877	3.28	4.446	5.406	6.534	7.25
7.312	16.98	38.73	48	4.905	-14.34	-17.45	-20.01	-23.06	-16.97	-8.127	-1.231	3.487	6.073
4.653	17.48	50.26	88.39	36.7	-1.297	-2.674	-5.727	-9.729	-7.806	-3.403	0.608	3.491	5.141
4.505	10.21	22.89	26.83	3.145	-5.852	-7.668	-9.133	-11.24	-7.688	-2.229	2.142	5.343	7.218
6.9	17.35	41.78	57.56	11.47	-12.82	-15.54	-18.13	-21.24	-15.77	-7.611	-1.167	3.249	5.664
6.374	16.46	40.33	56.78	14.23	-8.727	-11.18	-13.75	-17.11	-12.55	-5.289	0.573	4.717	7.044
2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
									% Impact				
1.98	7.638	22.99	43.09	26.88	12.446	12.49	11.54	9.47	8.876	9.302	9.925	11.06	11.88
2.343	7.405	21.13	37.77	24.72	13.373	13.26	12.53	10.58	10.21	10.88	11.58	12.91	13.85
2.636	6.023	15.07	22.25	16.02	11.461	10.89	10.4	8.736	8.627	9.473	10.18	11.6	12.58
4.608	16.38	47.04	76.16	60.29	54.118	49.43	38.37	22.01	14.5	9.925	11.17	13.63	15.98
0.415	2.73	9.008	17.75	10.25	3.49	3.555	3.045	2.243	1.913	1.982	2.204	2.544	2.805
0.407	9.803	35.79	79.11	42.68	7.075	8.583	7.924	6.839	5.995	6.095	6.343	6.676	6.903
1.385	6.808	20.83	37.6	18.81	6.185	7.099	7.269	6.546	7.307	9.048	10.86	12.68	14.13
1.223	4.029	12.03	32.23	28.47	28.675	31.01	32.43	33.12	34.9	36.87	37.13	37.58	37.91
2.07	6.322	17.8	39.43	32.21	28.016	30.18	32	32.96	35.2	37.96	38.77	40.15	41.1
0.985	3.193	9.598	26.6	22.49	21.855	24.87	27.4	29.97	33.15	36.14	37.1	38.73	39.97
1.418	7.38	23.59	48.35	28.93	11.168	12.06	12	11.23	11.33	12.31	12.91	13.87	14.54
2.071	6.331	17.47	29.05	16.75	7.248	6.918	6.17	4.518	4.463	5.378	6.227	7.315	8.067
0.979	11.97	41.88	88.2	46.17	6.187	7.05	5.676	3.586	2.338	2.404	2.853	3.416	3.815
2.395	4.767	11.1	14.86	11.37	9.125	8.477	8.111	6.733	6.637	7.318	7.861	8.926	9.661
0.571	5.797	20	41.44	22.06	3.277	3.657	3.083	2.139	1.58	1.658	1.914	2.259	2.503
6.077	15.99	40.09	53.76	20.19	3.997	3.607	1.476	-2.739	-0.583	3.946	8.259	11.5	13.46
2.422	4.665	10.45	12.87	10.8	11.106	10.46	9.994	8.426	8.542	9.52	10.3	11.65	12.6
1.122	2.488	5.789	7.017	3.274	1.986	1.89	1.67	1.006	1.352	2.162	2.894	3.612	4.106
0.942	7.765	25.78	51.75	26.02	2.86	3.46	2.734	1.467	1.145	1.807	2.568	3.24	3.704
1.565	6.037	17.52	30.42	15.53	3.624	3.22	2.377	0.916	0.865	1.738	2.535	3.403	4.037
0.165	25.53	96.18	213.1	108.1	10.381	13.64	11.25	8.085	4.982	4.092	4.237	4.476	4.652

14.49	15.37	16.42	17.32	18.04	18.25	18.28	18.22	18.9	13.174	7.664
17.06	18.04	19.32	20.4	21.41	21.86	22.26	22.98	24.65	17.527	11.809
9.496	9.942	10.62	11.18	11.79	12.1	12.24	13.07	14.44	14.622	7.732
9.113	10.18	11.56	12.98	14.12	14.53	13.91	15.45	17.42	10.842	4.782
17.96	18.98	20.26	21.32	22.22	22.52	22.9	23.06	24.14	21.702	12.509
14.42	15.18	16.39	17.46	18.68	19.43	19.76	21.85	24.97	12.883	10.916
14.01	14.8	15.84	16.72	17.52	17.82	18	18.5	19.78	14.608	9.455
11.67	12.3	13.14	13.85	14.46	14.6	14.58	14.83	15.76	9.44	7.044
11.73	12.33	13.16	13.9	14.56	14.83	14.9	15.4	16.62	9.469	7.646
8.728	9.177	9.77	10.29	10.7	10.79	10.73	10.89	11.58	13.67	5.962
7.611	8.458	9.135	9.55	8.803	6.538	3.336	-0.239	-2.806	16.36	-7.379
7.429	8.43	9.146	9.538	8.405	5.365	1.172	-3.78	-7.637	25.333	-10.812
7.629	8.029	8.586	9.051	9.368	9.246	8.822	8.937	9.57	6.456	3.983
7.515	8.71	9.47	9.831	8.195	4.131	-1.417	-8.172	-13.69	20.456	-18.431
6.11	6.959	7.574	7.913	7.07	4.764	1.557	-2.262	-5.289	34.097	-5.533
8.312	9.251	9.984	10.44	9.705	7.463	4.357	0.599	-2.157	11.964	-8.344
6.998	8.103	8.807	9.134	7.596	3.794	-1.39	-7.649	-12.72	23.651	-16.769
8.359	9.477	10.27	10.73	9.506	6.184	1.586	-3.897	-8.176	23.416	-12.733

2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**
									Average % Im	
12.41	13.01	13.83	14.52	15.18	15.45	15.47	16.18	17.39	17.573	10.979
14.44	15.12	16.09	16.91	17.77	18.21	18.35	19.54	21.38	16.05	12.007
13.17	13.86	14.92	15.82	16.83	17.42	17.71	19.4	21.86	10.762	10.036
18.31	21.04	23.93	26.27	27.61	27.3	25.92	23.43	20.74	34.304	35.706
2.983	3.208	3.5	3.752	3.963	4.047	4.101	4.239	4.538	6.631	2.844
7.022	7.127	7.251	7.364	7.434	7.394	7.302	7.26	7.36	28.717	7.289
15.1	15.96	16.85	17.59	17.98	17.85	17.64	16.59	16.11	14.662	6.883
38.1	38.35	38.67	38.98	39.2	39.14	38.93	38.75	38.86	13.183	32.044
41.61	42.11	42.85	43.49	44.23	44.74	44.89	46.07	47.92	16.874	31.643
40.81	41.53	42.06	42.38	42.48	42.3	41.84	41.25	40.96	10.883	27.277
14.95	15.36	15.91	16.37	16.82	16.99	16.99	17.48	18.41	18.808	11.56
8.497	8.979	9.627	10.22	10.7	10.78	10.5	10.92	11.83	12.406	5.86
4.057	4.32	4.637	4.916	5.113	5.096	4.89	5.004	5.329	32.583	4.959
10.03	10.45	11.15	11.76	12.44	12.87	12.95	14.08	15.9	7.866	7.808
2.647	2.808	3.008	3.181	3.321	3.339	3.305	3.37	3.583	15.213	2.746
14.39	15.39	16.51	17.76	17.79	16.22	13.78	11.29	10.25	23.839	1.12
13.18	13.86	14.84	15.7	16.57	17	17.09	18.31	20.19	7.234	9.716
4.378	4.656	4.98	5.292	5.438	5.319	5.022	4.804	4.921	3.499	1.585
3.967	4.218	4.476	4.718	4.78	4.595	4.265	3.867	3.749	19.469	2.332
4.424	4.834	5.315	5.777	6.07	6.046	5.641	5.776	6.159	12.323	2.18
4.745	4.843	4.942	5.019	5.09	5.099	5.11	5.189	5.388	77.459	9.664

15.459	0	0	1.928	2.344	6.919	18.977	30.65	17.111
18.795	0	0	3.842	4.855	9.544	24.103	37.794	23.839
10.548	0	0	1.797	2.275	6.758	19.438	34.993	21.344
10.969	0	0	2.602	3.292	7.631	18.084	21.111	11.692
19.518	0	0	4.657	5.884	11.482	29.58	48.005	28.875
16.478	0	0	2.415	3.081	7.022	17.789	27.164	19.219
15.309	0	0	3.04	3.824	7.969	20.308	31.771	19.658
12.542	0	0	2.39	2.976	5.72	13.678	19.223	12.063
12.773	0	0	2.396	2.993	5.783	13.744	18.861	12.258
9.341	0	0	1.97	2.456	6.693	18.696	32.403	18.401
4.718	0	0	4.019	4.762	11.753	28.228	38.479	10.243
3.387	0	0	4.947	5.858	16.206	41.55	62.914	19.372
7.941	0	0	1.679	2.054	4.387	10.168	12.749	7.393
1.919	0	0	6.192	7.312	16.975	38.725	47.996	4.905
3.082	0	0	3.92	4.653	17.475	50.263	88.394	36.703
5.417	0	0	3.836	4.505	10.21	22.894	26.827	3.145
1.752	0	0	5.848	6.9	17.347	41.782	57.556	11.47
3.936	0	0	5.385	6.374	16.463	40.33	56.781	14.229

13-25 **pact**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
13.493	0	0	1.565	1.98	7.638	22.989	43.093	26.876
15.886	0	0	1.846	2.343	7.405	21.133	37.773	24.721
14.922	0	0	2.073	2.636	6.023	15.072	22.25	16.017
20.344	0	0	3.554	4.608	16.376	47.037	76.161	60.286
3.362	0	0	0.321	0.415	2.73	9.008	17.749	10.248
7.043	0	0	0.331	0.407	9.803	35.79	79.108	42.682
15.336	0	0	1.223	1.385	6.808	20.827	37.597	18.811
38.346	0	0	0.988	1.223	4.029	12.034	32.234	28.466
42.737	0	0	1.63	2.07	6.322	17.801	39.431	32.209
40.514	0	0	0.837	0.985	3.193	9.598	26.602	22.491
15.604	0	0	1.128	1.418	7.38	23.593	48.352	28.932
9.173	0	0	1.647	2.071	6.331	17.469	29.047	16.751
4.311	0	0	0.768	0.979	11.974	41.877	88.2	46.17
11.218	0	0	1.896	2.395	4.767	11.102	14.857	11.373
2.841	0	0	0.412	0.571	5.797	20.002	41.435	22.055
13.14	0	0	5.089	6.077	15.989	40.086	53.764	20.187
14.629	0	0	1.906	2.422	4.665	10.448	12.868	10.798
4.435	0	0	0.929	1.122	2.488	5.789	7.017	3.274
3.853	0	0	0.782	0.942	7.765	25.784	51.748	26.024
4.793	0	0	1.253	1.565	6.037	17.519	30.421	15.531
4.844	0	0	0.128	0.165	25.525	96.182	213.148	108.075

8.048	8.157	8.026	6.821	7.281	8.794	10.344	12.195	13.597
13.497	12.711	11.954	10.245	10.638	12.031	13.258	15.058	16.312
8.811	8.646	8.074	6.702	6.417	6.947	7.474	8.46	9.129
8.064	6.579	5.056	2.062	2.13	3.506	4.949	6.797	8.213
14.34	13.519	12.547	10.821	11.351	12.847	14.177	15.972	17.222
12.705	11.992	11.355	9.338	9.144	10.119	10.993	12.668	13.785
10.896	10.283	9.63	8.096	8.387	9.595	10.703	12.264	13.361
8.092	7.557	7.159	5.998	6.438	7.641	8.717	10.125	11.101
8.748	8.259	7.851	6.562	6.849	7.938	8.918	10.254	11.198
6.97	6.787	6.199	4.936	4.962	5.815	6.617	7.637	8.342
-4.319	-6.184	-8.04	-10.645	-7.518	-2.344	1.825	4.898	6.639
-6.861	-9.008	-11.629	-15.031	-11.194	-4.809	0.453	4.18	6.26
5.123	4.561	4.085	2.877	3.28	4.446	5.406	6.534	7.25
-14.343	-17.447	-20.013	-23.058	-16.972	-8.127	-1.231	3.487	6.073
-1.297	-2.674	-5.727	-9.729	-7.806	-3.403	0.608	3.491	5.141
-5.852	-7.668	-9.133	-11.237	-7.688	-2.229	2.142	5.343	7.218
-12.823	-15.542	-18.13	-21.242	-15.774	-7.611	-1.167	3.249	5.664
-8.727	-11.182	-13.754	-17.112	-12.549	-5.289	0.573	4.717	7.044
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
				% Impact				
12.446	12.49	11.536	9.47	8.876	9.302	9.925	11.056	11.875
13.373	13.263	12.526	10.583	10.214	10.884	11.577	12.905	13.847
11.461	10.889	10.404	8.736	8.627	9.473	10.183	11.603	12.58
54.118	49.433	38.367	22.006	14.501	9.925	11.169	13.63	15.979
3.49	3.555	3.045	2.243	1.913	1.982	2.204	2.544	2.805
7.075	8.583	7.924	6.839	5.995	6.095	6.343	6.676	6.903
6.185	7.099	7.269	6.546	7.307	9.048	10.863	12.683	14.129
28.675	31.008	32.43	33.119	34.904	36.873	37.129	37.583	37.912
28.016	30.176	32	32.961	35.2	37.959	38.768	40.152	41.097
21.855	24.87	27.396	29.965	33.145	36.141	37.099	38.733	39.974
11.168	12.063	12.002	11.232	11.33	12.308	12.91	13.866	14.543
7.248	6.918	6.17	4.518	4.463	5.378	6.227	7.315	8.067
6.187	7.05	5.676	3.586	2.338	2.404	2.853	3.416	3.815
9.125	8.477	8.111	6.733	6.637	7.318	7.861	8.926	9.661
3.277	3.657	3.083	2.139	1.58	1.658	1.914	2.259	2.503
3.997	3.607	1.476	-2.739	-0.583	3.946	8.259	11.496	13.455
11.106	10.463	9.994	8.426	8.542	9.52	10.297	11.651	12.596
1.986	1.89	1.67	1.006	1.352	2.162	2.894	3.612	4.106
2.86	3.46	2.734	1.467	1.145	1.807	2.568	3.24	3.704
3.624	3.22	2.377	0.916	0.865	1.738	2.535	3.403	4.037
10.381	13.642	11.249	8.085	4.982	4.092	4.237	4.476	4.652

14.493	15.371	16.422	17.321	18.042	18.251	18.277	18.216	18.902
17.064	18.036	19.318	20.397	21.407	21.858	22.256	22.984	24.651
9.496	9.942	10.617	11.184	11.79	12.097	12.235	13.069	14.443
9.113	10.181	11.556	12.981	14.119	14.531	13.905	15.449	17.417
17.963	18.981	20.257	21.322	22.224	22.519	22.898	23.062	24.144
14.417	15.176	16.387	17.458	18.681	19.426	19.759	21.851	24.973
14.01	14.801	15.84	16.721	17.516	17.824	18.003	18.502	19.778
11.665	12.302	13.144	13.853	14.456	14.598	14.575	14.829	15.756
11.727	12.332	13.16	13.897	14.562	14.827	14.903	15.404	16.619
8.728	9.177	9.77	10.285	10.703	10.786	10.731	10.893	11.576
7.611	8.458	9.135	9.55	8.803	6.538	3.336	-0.239	-2.806
7.429	8.43	9.146	9.538	8.405	5.365	1.172	-3.78	-7.637
7.629	8.029	8.586	9.051	9.368	9.246	8.822	8.937	9.57
7.515	8.71	9.47	9.831	8.195	4.131	-1.417	-8.172	-13.686
6.11	6.959	7.574	7.913	7.07	4.764	1.557	-2.262	-5.289
8.312	9.251	9.984	10.439	9.705	7.463	4.357	0.599	-2.157
6.998	8.103	8.807	9.134	7.596	3.794	-1.39	-7.649	-12.724
8.359	9.477	10.274	10.729	9.506	6.184	1.586	-3.897	-8.176

2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
12.41	13.013	13.83	14.519	15.179	15.45	15.467	16.181	17.392
14.442	15.122	16.089	16.91	17.765	18.208	18.354	19.543	21.378
13.165	13.862	14.915	15.821	16.825	17.416	17.713	19.398	21.855
18.311	21.036	23.93	26.268	27.614	27.303	25.917	23.43	20.735
2.983	3.208	3.5	3.752	3.963	4.047	4.101	4.239	4.538
7.022	7.127	7.251	7.364	7.434	7.394	7.302	7.26	7.36
15.095	15.963	16.852	17.591	17.982	17.847	17.642	16.586	16.114
38.102	38.35	38.668	38.98	39.2	39.142	38.929	38.748	38.856
41.613	42.106	42.854	43.488	44.227	44.741	44.891	46.068	47.917
40.81	41.529	42.062	42.379	42.477	42.301	41.842	41.254	40.958
14.945	15.36	15.911	16.373	16.819	16.992	16.987	17.476	18.41
8.497	8.979	9.627	10.222	10.696	10.776	10.504	10.916	11.831
4.057	4.32	4.637	4.916	5.113	5.096	4.89	5.004	5.329
10.033	10.453	11.146	11.759	12.444	12.874	12.945	14.076	15.902
2.647	2.808	3.008	3.181	3.321	3.339	3.305	3.37	3.583
14.39	15.388	16.511	17.76	17.792	16.218	13.781	11.294	10.246
13.178	13.863	14.841	15.698	16.568	17.003	17.089	18.309	20.192
4.378	4.656	4.98	5.292	5.438	5.319	5.022	4.804	4.921
3.967	4.218	4.476	4.718	4.78	4.595	4.265	3.867	3.749
4.424	4.834	5.315	5.777	6.07	6.046	5.641	5.776	6.159
4.745	4.843	4.942	5.019	5.09	5.099	5.11	5.189	5.388

	Excavating, Grading, Paving & Related Occupations	56.429	9.856	7.113	0	0	0.214
	Foremn/wn:Excavating,grading,pav&rltd	57.906	10.386	7.657	0	0	0.24
	Excavating, grading & rltd	61.235	11.362	8.564	0	0	0.171
	Paving, surfacing & rltd	73.875	8.812	4.046	0	0	0.172
	Railway section & track workers	9.591	2.461	2.505	0	0	0.192
	Labour:excavat,grading,paving&rltd act	35.705	6.274	4.74	0	0	0.361
	Excavating,grading,pav&rltd occs, nec	50.866	8.321	5.703	0	0	0.184
	Electrical Power, Lighting & Wire Communications Equipment Erecting, Installing & Repairing Occupations	65.254	8.807	5.101	0	0	0.194
	Foremn/wmn:elec pwr,erect,install&repr	62.65	7.279	3.27	0	0	0.194
	Electrical power line workers & rltd	31.329	4.832	3.438	0	0	0.155
	Construction electricians & repairers	79.331	10.059	5.106	0	0	0.13
	Wire communicatn&rltd eqpt install&repr	31.559	6.989	7.725	0	0	0.464
	Insp&rltd:elec pow,erect,install&repr	18.652	6.729	7.401	0	0	0.57
	Labour:elec power, erect,install&repair	36.68	5.121	3.237	0	0	0.308
	Elec pow&wire comms eqpt erect&rltd,nec	35.734	10.357	10.22	0	0	0.196
	Yukon Occupation Impact Debt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
		Average % Impact					
	Other Construction Trades Occupations	83.634	9.774	4.376	0	0	0.099
	Foremen/women:oth construction trades	85.591	9.582	3.913	0	0	0.081
	Carpenters & rltd	84.606	9.28	3.612	0	0	0.067
	Brick & stone masons & tile setters	89.674	9.634	3.556	0	0	0.032
	Concrete finishing & rltd	86.329	9.379	3.565	0	0	0.05
	Plasterers & rltd	90.934	9.72	3.564	0	0	0.025
	Painters, paperhangers & rltd	85.73	9.533	4.001	0	0	0.089
	Insulating, construction	85.714	10.351	4.934	0	0	0.074
	Roofing, waterproofing & rltd	91.17	9.753	3.588	0	0	0.025
	Pipefitting, plumbing & rltd	79.026	10.349	5.486	0	0	0.117
	Structural metal erectors	66.886	7.683	3.182	0	0	0.072
	Glaziers	74.906	9.606	5.315	0	0	0.461
	Inspect,testng,gradng&smplng:oth constr	39.185	27.487	32.168	0	0	1.063
	Labouring:oth construction trades	86.327	9.554	3.847	0	0	0.058
	Oth construction trades, nec	73.862	10.228	6.054	0	0	0.239
Transport	TRANSPORT EQUIPMENT OPERATING	11.55	5.854	6.615	0	0	0.947
	Air Transport Operating Occupations	42.339	42.984	23.472	0	0	4.474
	Foremen/women:Air transport operating	35.14	34.08	18.237	0	0	3.538
	Air pilots, navigators&flight engineers	54.83	55.927	30.746	0	0	5.736
	Air transport operating support	28.502	29.008	15.709	0	0	3.068
	Air transport operating, nec	54.542	56.735	32.239	0	0	5.814
	Railway Transport Operating Occupations	2.232	3.231	4.156	0	0	0.167
	Foremn/wmn:Railway transport operating	2.818	12.93	16.723	0	0	0.193
	Locomotive operating	1.931	0.635	0.802	0	0	0.149

0.28	18.82	70.34	155.7	80.93	10.222	12.72	11.04	8.71	6.596	6.153	6.327	6.615	6.828
0.314	19.32	72.14	159.7	82.97	10.751	13.31	11.58	9.219	7.09	6.671	6.852	7.151	7.371
0.222	20.23	75.89	168.9	87.78	11.412	14.28	12.62	10.32	8.159	7.749	7.909	8.173	8.368
0.224	24.51	92.17	203.5	103.2	9.827	12.79	10.34	7.115	4.045	3.129	3.285	3.553	3.752
0.26	3.586	12.73	26.89	14.8	2.978	3.256	2.717	1.92	1.46	1.447	1.612	1.865	2.062
0.477	12.44	45.45	98.14	51.6	7.232	8.478	7.047	5.083	3.575	3.289	3.528	3.914	4.196
0.241	17.02	63.47	140.2	72.98	8.717	10.98	9.412	7.233	5.216	4.74	4.906	5.188	5.398
0.257	21.68	81.28	179.6	91.95	9.398	12.17	10.14	7.437	4.903	4.277	4.474	4.746	4.93
0.246	20.86	78.14	172.5	88.1	8.056	10.64	8.594	5.861	3.257	2.504	2.67	2.912	3.083
0.193	10.59	38.96	85.75	45.07	5.013	6.411	5.499	4.208	3.05	2.832	2.97	3.15	3.279
0.159	26.02	98.26	218.3	110.7	10.673	14.07	11.68	8.516	5.38	4.481	4.615	4.831	4.99
0.694	11.53	41.39	85.94	44.88	7.754	8.802	7.518	5.803	5.051	5.51	6.13	6.823	7.209
0.713	6.594	23.17	50.35	27.74	6.498	7.417	7.054	6.436	6.242	6.633	6.896	7.187	7.346
0.402	12.66	46.24	100.2	52.15	5.757	7.201	5.899	4.1	2.648	2.367	2.572	2.848	3.025
0.329	12.11	44.54	97.56	52.64	10.189	11.91	10.98	9.737	8.961	9.284	9.572	9.911	10.06

2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
										% Impact			
0.126	27.47	103.7	229.9	115.9	10.578	14.07	11.48	8.078	4.692	3.674	3.803	4.028	4.195
0.101	28.08	106.1	235.3	118.3	10.464	14	11.32	7.827	4.33	3.247	3.367	3.58	3.738
0.087	27.77	105	232.7	117.1	10.18	13.67	11.01	7.53	4.047	2.954	3.07	3.278	3.434
0.041	29.35	111.1	246.4	123.5	10.574	14.26	11.45	7.803	4.117	2.939	3.042	3.238	3.385
0.064	28.31	107.1	237.3	119.1	10.321	13.85	11.13	7.59	4.039	2.916	3.025	3.228	3.38
0.031	29.74	112.6	249.8	125.1	10.667	14.4	11.56	7.87	4.14	2.948	3.053	3.25	3.397
0.113	28.17	106.4	235.6	118.5	10.421	13.96	11.28	7.765	4.27	3.207	3.357	3.603	3.789
0.09	28.08	106	235.3	118.6	11.004	14.66	12.09	8.701	5.297	4.301	4.436	4.652	4.812
0.032	29.82	112.9	250.4	125.4	10.705	14.45	11.6	7.897	4.159	2.966	3.073	3.271	3.419
0.148	25.98	97.87	217.2	110.2	10.882	14.32	11.97	8.841	5.725	4.846	4.978	5.195	5.356
0.091	22.13	83.1	184	93.83	8.332	11.23	9.117	6.257	3.351	2.501	2.615	2.827	2.986
0.596	25.11	93.33	205.4	104.8	10.668	13.59	11.18	7.845	4.754	3.957	4.157	4.553	4.833
1.259	12.55	44.95	105.9	62.8	23.86	27.27	28.11	28.59	29.59	31.41	31.79	32.27	32.56
0.072	28.31	107	237.3	119.2	10.426	14	11.31	7.794	4.266	3.17	3.293	3.508	3.669
0.309	24.5	91.84	203.2	103.6	10.929	14.01	11.74	8.684	5.799	5.058	5.239	5.539	5.764
1.182	5.497	16.45	28.34	16.44	7.452	7.28	6.238	4.444	3.82	3.894	4.37	5.074	5.629
5.794	20.53	58.83	93.92	74.1	66.565	60.43	46.32	25.46	15.82	9.901	11.54	14.74	17.8
4.585	16.75	48.45	78.67	60.9	52.777	48	36.76	20.24	12.55	7.852	9.1	11.56	13.9
7.437	26.65	76.58	122.5	96.63	86.684	78.62	60.25	33.09	20.51	12.79	14.94	19.17	23.21
3.974	13.82	39.38	62.56	49.58	44.848	40.77	31.26	17.23	10.74	6.748	7.824	9.946	11.97
7.54	26.77	76.46	121.3	96.19	87.755	79.59	61.1	33.61	21	13.35	15.69	20.15	24.39
0.216	0.948	2.795	5.658	4.061	3.087	3.308	3.337	3.182	3.242	3.419	3.517	3.684	3.82
0.251	0.744	1.846	6.632	7.928	10.893	12.12	13.13	13.79	14.65	15.47	15.5	15.71	15.92
0.192	0.885	2.69	5.14	2.865	0.785	0.81	0.697	0.485	0.405	0.448	0.531	0.633	0.702

6.951	7.088	7.243	7.367	7.469	7.477	7.473	7.568	7.81	56.429	9.856
7.495	7.635	7.795	7.921	8.023	8.024	8.013	8.109	8.363	57.906	10.386
8.477	8.586	8.696	8.786	8.86	8.851	8.827	8.887	9.098	61.235	11.362
3.864	3.995	4.143	4.257	4.361	4.389	4.418	4.535	4.772	73.875	8.812
2.196	2.366	2.587	2.785	2.953	3.032	3.068	3.231	3.499	9.591	2.461
4.372	4.597	4.887	5.113	5.298	5.348	5.381	5.566	5.907	35.705	6.274
5.526	5.671	5.831	5.957	6.063	6.084	6.094	6.193	6.418	50.866	8.321
5.025	5.136	5.257	5.346	5.404	5.373	5.354	5.377	5.54	65.254	8.807
3.177	3.284	3.398	3.485	3.55	3.544	3.547	3.576	3.708	62.65	7.279
3.355	3.442	3.537	3.611	3.664	3.663	3.673	3.684	3.769	31.329	4.832
5.067	5.14	5.207	5.258	5.306	5.299	5.295	5.334	5.488	79.331	10.059
7.429	7.786	8.233	8.558	8.7	8.525	8.404	8.343	8.678	31.559	6.989
7.401	7.502	7.638	7.741	7.761	7.644	7.533	7.421	7.488	18.652	6.729
3.13	3.272	3.435	3.543	3.602	3.55	3.516	3.52	3.635	36.68	5.121
10.11	10.25	10.44	10.58	10.63	10.5	10.39	10.4	10.69	35.734	10.357
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**
									Average % Imp	
4.283	4.371	4.458	4.524	4.593	4.609	4.629	4.715	4.911	83.634	9.774
3.82	3.905	3.987	4.049	4.115	4.132	4.161	4.246	4.434	85.591	9.582
3.515	3.598	3.68	3.741	3.809	3.831	3.865	3.954	4.14	84.606	9.28
3.46	3.537	3.611	3.665	3.73	3.755	3.795	3.894	4.088	89.674	9.634
3.459	3.542	3.625	3.687	3.756	3.781	3.82	3.918	4.11	86.329	9.379
3.474	3.551	3.623	3.676	3.739	3.762	3.801	3.893	4.078	90.934	9.72
3.892	3.995	4.096	4.174	4.252	4.274	4.304	4.385	4.576	85.73	9.533
4.895	4.972	5.035	5.081	5.126	5.123	5.123	5.176	5.339	85.714	10.351
3.496	3.574	3.647	3.7	3.764	3.787	3.826	3.919	4.106	91.17	9.753
5.437	5.515	5.585	5.64	5.692	5.688	5.682	5.733	5.907	79.026	10.349
3.077	3.172	3.265	3.335	3.406	3.43	3.461	3.544	3.712	66.886	7.683
4.985	5.152	5.368	5.545	5.743	5.829	5.866	6.192	6.738	74.906	9.606
32.65	32.71	32.72	32.72	32.59	32.25	31.85	31.42	31.31	39.185	27.487
3.755	3.841	3.923	3.985	4.052	4.071	4.102	4.183	4.363	86.327	9.554
5.89	6.022	6.167	6.287	6.397	6.419	6.415	6.548	6.827	73.862	10.228
6.021	6.489	7.049	7.528	7.874	7.93	7.887	7.943	8.189	11.55	5.854
20.83	24.37	28.13	31.18	32.95	32.57	30.8	27.6	24.15	42.339	42.984
16.23	18.94	21.82	24.14	25.46	25.14	23.76	21.27	18.58	35.14	34.08
27.23	31.92	36.9	40.97	43.37	42.92	40.6	36.39	31.81	54.83	55.927
13.97	16.31	18.8	20.8	21.95	21.67	20.49	18.35	16.06	28.502	29.008
28.58	33.45	38.6	42.8	45.31	44.91	42.62	38.34	33.72	54.542	56.735
3.92	4.043	4.194	4.346	4.489	4.574	4.636	4.707	4.892	2.232	3.231
16.09	16.32	16.59	16.89	17.24	17.53	17.8	18.13	18.73	2.818	12.93
0.736	0.779	0.843	0.912	0.964	0.975	0.969	0.974	1.042	1.931	0.635

7.113	0	0	0.214	0.28	18.819	70.342	155.716	80.926
7.657	0	0	0.24	0.314	19.318	72.137	159.662	82.969
8.564	0	0	0.171	0.222	20.231	75.887	168.862	87.778
4.046	0	0	0.172	0.224	24.507	92.174	203.48	103.173
2.505	0	0	0.192	0.26	3.586	12.726	26.889	14.804
4.74	0	0	0.361	0.477	12.437	45.449	98.144	51.602
5.703	0	0	0.184	0.241	17.015	63.472	140.233	72.979
5.101	0	0	0.194	0.257	21.681	81.28	179.593	91.954
3.27	0	0	0.194	0.246	20.861	78.142	172.482	88.095
3.438	0	0	0.155	0.193	10.59	38.961	85.753	45.074
5.106	0	0	0.13	0.159	26.023	98.255	218.305	110.729
7.725	0	0	0.464	0.694	11.528	41.388	85.944	44.882
7.401	0	0	0.57	0.713	6.594	23.172	50.352	27.736
3.237	0	0	0.308	0.402	12.662	46.237	100.171	52.15
10.22	0	0	0.196	0.329	12.106	44.541	97.561	52.644

13-25	2000	2001	2002	2003	2004	2005	2006	2007
act								
4.376	0	0	0.099	0.126	27.473	103.705	229.925	115.928
3.913	0	0	0.081	0.101	28.083	106.139	235.316	118.344
3.612	0	0	0.067	0.087	27.772	104.972	232.72	117.056
3.556	0	0	0.032	0.041	29.345	111.09	246.369	123.479
3.565	0	0	0.05	0.064	28.308	107.071	237.262	119.109
3.564	0	0	0.025	0.031	29.741	112.626	249.784	125.064
4.001	0	0	0.089	0.113	28.169	106.371	235.642	118.455
4.934	0	0	0.074	0.09	28.076	106.021	235.34	118.626
3.588	0	0	0.025	0.032	29.821	112.92	250.415	125.371
5.486	0	0	0.117	0.148	25.98	97.871	217.154	110.221
3.182	0	0	0.072	0.091	22.129	83.1	183.95	93.828
5.315	0	0	0.461	0.596	25.107	93.326	205.422	104.801
32.168	0	0	1.063	1.259	12.552	44.952	105.942	62.804
3.847	0	0	0.058	0.072	28.31	107.029	237.267	119.214
6.054	0	0	0.239	0.309	24.5	91.84	203.153	103.582
6.615	0	0	0.947	1.182	5.497	16.45	28.335	16.439
23.472	0	0	4.474	5.794	20.531	58.825	93.919	74.096
18.237	0	0	3.538	4.585	16.748	48.454	78.666	60.904
30.746	0	0	5.736	7.437	26.651	76.583	122.522	96.625
15.709	0	0	3.068	3.974	13.816	39.377	62.562	49.576
32.239	0	0	5.814	7.54	26.766	76.46	121.289	96.189
4.156	0	0	0.167	0.216	0.948	2.795	5.658	4.061
16.723	0	0	0.193	0.251	0.744	1.846	6.632	7.928
0.802	0	0	0.149	0.192	0.885	2.69	5.14	2.865

10.222	12.722	11.035	8.71	6.596	6.153	6.327	6.615	6.828
10.751	13.306	11.584	9.219	7.09	6.671	6.852	7.151	7.371
11.412	14.281	12.624	10.323	8.159	7.749	7.909	8.173	8.368
9.827	12.786	10.337	7.115	4.045	3.129	3.285	3.553	3.752
2.978	3.256	2.717	1.92	1.46	1.447	1.612	1.865	2.062
7.232	8.478	7.047	5.083	3.575	3.289	3.528	3.914	4.196
8.717	10.979	9.412	7.233	5.216	4.74	4.906	5.188	5.398
9.398	12.167	10.14	7.437	4.903	4.277	4.474	4.746	4.93
8.056	10.639	8.594	5.861	3.257	2.504	2.67	2.912	3.083
5.013	6.411	5.499	4.208	3.05	2.832	2.97	3.15	3.279
10.673	14.069	11.676	8.516	5.38	4.481	4.615	4.831	4.99
7.754	8.802	7.518	5.803	5.051	5.51	6.13	6.823	7.209
6.498	7.417	7.054	6.436	6.242	6.633	6.896	7.187	7.346
5.757	7.201	5.899	4.1	2.648	2.367	2.572	2.848	3.025
10.189	11.908	10.98	9.737	8.961	9.284	9.572	9.911	10.061

2008	2009	2010	2011	2012	2013	2014	2015	2016
				% Impact				
10.578	14.065	11.478	8.078	4.692	3.674	3.803	4.028	4.195
10.464	13.999	11.323	7.827	4.33	3.247	3.367	3.58	3.738
10.18	13.667	11.007	7.53	4.047	2.954	3.07	3.278	3.434
10.574	14.259	11.452	7.803	4.117	2.939	3.042	3.238	3.385
10.321	13.854	11.132	7.59	4.039	2.916	3.025	3.228	3.38
10.667	14.401	11.558	7.87	4.14	2.948	3.053	3.25	3.397
10.421	13.957	11.279	7.765	4.27	3.207	3.357	3.603	3.789
11.004	14.662	12.087	8.701	5.297	4.301	4.436	4.652	4.812
10.705	14.447	11.596	7.897	4.159	2.966	3.073	3.271	3.419
10.882	14.316	11.968	8.841	5.725	4.846	4.978	5.195	5.356
8.332	11.23	9.117	6.257	3.351	2.501	2.615	2.827	2.986
10.668	13.592	11.179	7.845	4.754	3.957	4.157	4.553	4.833
23.86	27.269	28.105	28.588	29.594	31.405	31.787	32.265	32.559
10.426	13.999	11.309	7.794	4.266	3.17	3.293	3.508	3.669
10.929	14.014	11.74	8.684	5.799	5.058	5.239	5.539	5.764
7.452	7.28	6.238	4.444	3.82	3.894	4.37	5.074	5.629
66.565	60.434	46.319	25.463	15.816	9.901	11.536	14.741	17.798
52.777	48.001	36.764	20.238	12.547	7.852	9.1	11.557	13.901
86.684	78.62	60.248	33.085	20.509	12.785	14.943	19.166	23.212
44.848	40.765	31.264	17.226	10.736	6.748	7.824	9.946	11.965
87.755	79.59	61.097	33.612	21.004	13.351	15.687	20.145	24.388
3.087	3.308	3.337	3.182	3.242	3.419	3.517	3.684	3.82
10.893	12.12	13.125	13.793	14.648	15.467	15.499	15.713	15.915
0.785	0.81	0.697	0.485	0.405	0.448	0.531	0.633	0.702

6.951	7.088	7.243	7.367	7.469	7.477	7.473	7.568	7.81
7.495	7.635	7.795	7.921	8.023	8.024	8.013	8.109	8.363
8.477	8.586	8.696	8.786	8.86	8.851	8.827	8.887	9.098
3.864	3.995	4.143	4.257	4.361	4.389	4.418	4.535	4.772
2.196	2.366	2.587	2.785	2.953	3.032	3.068	3.231	3.499
4.372	4.597	4.887	5.113	5.298	5.348	5.381	5.566	5.907
5.526	5.671	5.831	5.957	6.063	6.084	6.094	6.193	6.418
5.025	5.136	5.257	5.346	5.404	5.373	5.354	5.377	5.54
3.177	3.284	3.398	3.485	3.55	3.544	3.547	3.576	3.708
3.355	3.442	3.537	3.611	3.664	3.663	3.673	3.684	3.769
5.067	5.14	5.207	5.258	5.306	5.299	5.295	5.334	5.488
7.429	7.786	8.233	8.558	8.7	8.525	8.404	8.343	8.678
7.401	7.502	7.638	7.741	7.761	7.644	7.533	7.421	7.488
3.13	3.272	3.435	3.543	3.602	3.55	3.516	3.52	3.635
10.112	10.251	10.44	10.58	10.626	10.501	10.392	10.399	10.685
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
4.283	4.371	4.458	4.524	4.593	4.609	4.629	4.715	4.911
3.82	3.905	3.987	4.049	4.115	4.132	4.161	4.246	4.434
3.515	3.598	3.68	3.741	3.809	3.831	3.865	3.954	4.14
3.46	3.537	3.611	3.665	3.73	3.755	3.795	3.894	4.088
3.459	3.542	3.625	3.687	3.756	3.781	3.82	3.918	4.11
3.474	3.551	3.623	3.676	3.739	3.762	3.801	3.893	4.078
3.892	3.995	4.096	4.174	4.252	4.274	4.304	4.385	4.576
4.895	4.972	5.035	5.081	5.126	5.123	5.123	5.176	5.339
3.496	3.574	3.647	3.7	3.764	3.787	3.826	3.919	4.106
5.437	5.515	5.585	5.64	5.692	5.688	5.682	5.733	5.907
3.077	3.172	3.265	3.335	3.406	3.43	3.461	3.544	3.712
4.985	5.152	5.368	5.545	5.743	5.829	5.866	6.192	6.738
32.649	32.712	32.724	32.716	32.594	32.253	31.848	31.422	31.314
3.755	3.841	3.923	3.985	4.052	4.071	4.102	4.183	4.363
5.89	6.022	6.167	6.287	6.397	6.419	6.415	6.548	6.827
6.021	6.489	7.049	7.528	7.874	7.93	7.887	7.943	8.189
20.83	24.371	28.13	31.179	32.951	32.572	30.802	27.604	24.145
16.226	18.939	21.817	24.136	25.464	25.143	23.756	21.265	18.582
27.231	31.916	36.896	40.967	43.369	42.917	40.595	36.385	31.811
13.966	16.31	18.8	20.803	21.948	21.671	20.485	18.354	16.056
28.577	33.446	38.597	42.804	45.312	44.905	42.618	38.34	33.724
3.92	4.043	4.194	4.346	4.489	4.574	4.636	4.707	4.892
16.093	16.315	16.585	16.886	17.236	17.528	17.798	18.127	18.728
0.736	0.779	0.843	0.912	0.964	0.975	0.969	0.974	1.042

	Conductors & brake workers, railway	0.067	0.059	0.079	0	0	0.001
	Railway transport operating support	4.772	2.732	3.379	0	0	0.361
	Railway transport operating, nec	1.267	1.096	1.425	0	0	0.203
	Water Transport Operating Occupations	5.845	2.54	3.569	0	0	0.185
	Deck officers	8.671	2.355	3.069	0	0	0.245
	Engineering officers, ship	6.286	1.522	3.306	0	0	0.566
	Deck crew, ship	4.072	1.048	1.522	0	0	0.099
	Engine & boiler-room crew, ship	2.105	0.566	1.115	0	0	0.076
	Water transport operating, nec	6.826	7.898	10.326	0	0	0.081
	Motor Transport Operating Occupations	10.776	4.705	6.183	0	0	0.851
	Foremen/women:Motor transport operating	7.708	4.269	6.005	0	0	0.889
	Bus drivers	5.022	5.44	7.193	0	0	0.707
	Taxi drivers & chauffeurs	5.36	5.752	7.606	0	0	0.76
	Truck drivers	15.528	4.107	5.226	0	0	0.945
	Motor transport operating, nec	7.506	4.412	6.313	0	0	0.815
	Yukon Occupation Impact Debt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
		Average % Impact					
	Other Transport Equipment Operating Occupations	7.371	4.401	5.203	0	0	0.579
	Foremn/wmn:oth transport eqpt operating	7.119	4.641	5.231	0	0	0.623
	Subway & street railway operating	5.179	5.785	7.647	0	0	0.754
	Rail vehicle oper, ex rail transport	6.254	1.282	1.449	0	0	0.365
	Oth transport eqpt operating, nec	8.361	4.111	4.653	0	0	0.52
Material Ha	MATERIAL HANDLING & RELATED, N.E.C.	18.482	7.325	9.681	0	0	1.311
	Foremen/women:mat handling&rltd,nec	13.789	8.945	11.129	0	0	1.015
	Hoisting, nec	45.799	5.647	2.785	0	0	0.185
	Longshore wkr,stevedore,freight handlrs	11.119	6.847	8.17	0	0	1.098
	Parcel carriers, nec	9.125	13.132	22.063	0	0	2.919
	Material handling eqpt operators, nec	22.707	5.762	6.297	0	0	0.627
	Packaging, nec	10.336	7.912	15.638	0	0	2.356
	Labouring:mat handling&rltd act,nec	16.197	9.158	11.638	0	0	1.772
	Oth material handling & rltd occs, nec	13.789	7.454	7.587	0	0	1.227
Other Craft	OTHER CRAFTS & EQUIPMENT OPERATING	23.715	20.739	30.101	0	0	3.361
	Printing & Related Occupations	32.5	11.577	21.998	0	0	6.871
	Foremen/women:Printing & rltd	32.763	11.768	22.336	0	0	7.053
	Typesetting & composing	31.633	10.608	22.423	0	0	6.741
	Printing press	33.081	11.669	21.6	0	0	7.078
	Stereotyping & electrotyping	21.478	10.285	22.957	0	0	4.836
	Printing engraving, except photoengrav	31.768	11.49	23.96	0	0	6.821
	Photoengraving & rltd	33.985	11.802	22.866	0	0	7.348
	Bookbinding & rltd	34.027	14.529	24.72	0	0	7.148

0.008	0.065	0.102	0.136	0.107	0.06	0.057	0.066	0.063	0.052	0.05	0.057	0.067	0.073
0.458	2.231	6.857	12.17	7.264	3.495	3.443	2.936	2.057	1.764	1.813	2.081	2.455	2.763
0.262	0.82	2.07	2.675	1.682	1.363	1.293	1.15	0.867	0.811	0.871	0.964	1.104	1.208
0.47	3.412	9.699	13.57	7.587	3.542	3.129	2.689	1.807	1.542	1.73	2.105	2.59	2.994
0.627	4.969	14.43	20.43	11.07	4.25	3.51	2.608	1.027	0.378	0.426	0.949	1.64	2.225
0.986	4.403	11.61	13.37	6.685	3.072	2.244	1.649	0.464	0.194	0.546	1.182	1.948	2.56
0.302	2.381	6.826	9.604	5.136	1.839	1.513	1.153	0.5	0.242	0.303	0.547	0.866	1.132
0.252	1.624	4.19	4.299	2.153	1.131	0.844	0.63	0.178	0.053	0.15	0.362	0.614	0.82
0.36	3.477	10.02	16.05	10.73	7.814	7.936	8.039	7.723	7.976	8.6	8.935	9.392	9.768
1.048	5.108	15.4	26.85	14.91	5.594	5.62	4.997	3.809	3.478	3.756	4.204	4.841	5.325
1.066	4.315	11.95	17.97	9.96	4.935	4.926	4.545	3.537	3.363	3.65	4.094	4.698	5.183
0.917	2.787	7.391	10.6	7.493	6.766	6.345	5.556	4.375	4.194	4.548	4.975	5.651	6.142
0.984	2.966	7.876	11.34	7.992	7.159	6.711	5.875	4.623	4.432	4.806	5.26	5.977	6.497
1.128	6.956	21.91	40.36	21.08	4.677	5.054	4.54	3.339	2.862	3.065	3.516	4.103	4.56
1.059	4.026	11.27	17.78	10.24	5.375	5.251	4.658	3.478	3.277	3.644	4.195	4.897	5.426
2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
										% Impact			
0.749	3.419	10.25	17.96	10.86	5.554	5.376	4.609	3.43	3.058	3.194	3.534	4.054	4.443
0.809	3.46	10.14	16.93	10.47	6.063	5.781	4.887	3.482	3.023	3.083	3.445	3.991	4.415
0.977	2.901	7.642	10.82	7.752	7.192	6.736	5.906	4.661	4.476	4.855	5.303	6.019	6.536
0.448	2.531	8.011	16.81	9.131	1.533	1.721	1.431	0.974	0.729	0.811	1.04	1.292	1.436
0.673	3.676	11.45	21.01	12.28	5.159	5.08	4.339	3.204	2.789	2.872	3.173	3.633	3.978
1.635	8.168	25.3	46.91	26.03	8.372	8.651	7.837	6.086	5.636	6.185	6.941	7.923	8.642
1.267	6.277	18.92	34.19	20.05	9.524	9.91	9.369	8.023	7.858	8.394	9.018	9.805	10.41
0.232	15.36	57.31	126.4	65.55	6.102	8.137	6.671	4.607	2.583	2.033	2.197	2.439	2.612
1.399	5.57	15.98	26.25	15.99	8.583	8.317	7.299	5.292	4.669	4.8	5.409	6.304	7.02
3.71	6.39	13.51	14.43	13.56	14.917	13.84	13.52	11.53	11.76	13.2	14.36	16.59	18.14
0.767	8.455	29.38	61.71	33.02	6.081	6.987	6.297	5.048	4.384	4.64	5.046	5.541	5.896
2.912	6.584	15.87	20.96	12.82	9.169	8.63	8.207	6.514	7.02	8.699	10.23	12.18	13.56
2.198	8.816	24.62	38.07	20.53	10.058	10.23	9.616	7.948	7.935	8.796	9.581	10.4	10.94
1.538	6.586	19.58	33.42	19.94	10.039	9.694	8.061	5.232	4.197	4.076	4.75	5.65	6.378
4.086	12.23	33.12	54.85	31.65	19.566	21.56	21.51	19.67	21.4	24.44	26.61	28.47	29.58
8.265	21.23	53.32	69.57	31.83	14.792	15.66	13	6.721	7.77	11.54	15.8	19.05	20.98
8.484	21.6	54.02	69.72	31.77	15	15.94	13.24	6.819	7.888	11.71	16.08	19.39	21.33
8.087	21.01	52.7	67.63	30.03	13.855	14.59	11.98	5.753	6.936	10.86	15.33	18.81	20.99
8.517	21.68	54.32	70.56	32.3	15.008	15.93	13.15	6.66	7.651	11.4	15.68	18.9	20.76
5.764	14.54	35.87	44.92	20.39	11.613	12.31	11.24	7.494	8.838	12.2	15.82	18.95	21.11
8.171	21.14	52.87	67.74	30.23	14.409	15.32	12.89	6.794	8.095	12.18	16.76	20.35	22.59
8.821	22.41	55.98	72.39	32.87	15.285	16.12	13.29	6.633	7.744	11.76	16.29	19.75	21.8
8.6	21.9	54.96	72.73	34.48	17.345	18.59	16.05	9.762	10.94	14.83	19.08	22.23	24.01

0.074	0.074	0.076	0.082	0.089	0.094	0.096	0.097	0.104	0.067	0.059
2.997	3.272	3.599	3.889	4.123	4.212	4.26	4.279	4.447	4.772	2.732
1.273	1.36	1.48	1.589	1.677	1.707	1.717	1.766	1.89	1.267	1.096
3.259	3.551	3.881	4.218	4.459	4.509	4.452	4.294	4.285	5.845	2.54
2.623	3.06	3.547	4.037	4.385	4.452	4.357	4.097	4.03	8.671	2.355
2.934	3.345	3.818	4.302	4.626	4.651	4.529	4.234	4.201	6.286	1.522
1.31	1.503	1.722	1.944	2.108	2.148	2.117	2.023	2.022	4.072	1.048
0.95	1.093	1.259	1.444	1.576	1.607	1.574	1.501	1.514	2.105	0.566
10.01	10.28	10.59	10.91	11.15	11.2	11.15	11.04	11.09	6.826	7.898
5.639	6.017	6.487	6.897	7.208	7.284	7.298	7.465	7.838	10.776	4.705
5.514	5.889	6.335	6.747	7.047	7.124	7.138	7.203	7.422	7.708	4.269
6.463	6.893	7.464	7.914	8.27	8.352	8.397	8.731	9.298	5.022	5.44
6.838	7.295	7.898	8.374	8.75	8.834	8.88	9.224	9.813	5.36	5.752
4.852	5.172	5.542	5.905	6.169	6.229	6.204	6.231	6.444	15.528	4.107
5.771	6.183	6.701	7.168	7.498	7.551	7.535	7.615	7.936	7.506	4.412
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**
									Average % Im	
4.705	5.036	5.463	5.808	6.067	6.119	6.123	6.273	6.591	7.371	4.401
4.719	5.094	5.556	5.931	6.204	6.251	6.235	6.312	6.543	7.119	4.641
6.873	7.326	7.929	8.405	8.782	8.866	8.912	9.272	9.881	5.179	5.785
1.476	1.519	1.604	1.701	1.744	1.683	1.59	1.478	1.472	6.254	1.282
4.211	4.506	4.883	5.189	5.419	5.468	5.472	5.601	5.877	8.361	4.111
9.095	9.592	10.21	10.77	11.19	11.24	11.09	11.17	11.67	18.482	7.325
10.79	11.21	11.7	12.16	12.45	12.4	12.18	11.96	12.04	13.789	8.945
2.706	2.806	2.912	3.005	3.076	3.078	3.069	3.083	3.192	45.799	5.647
7.53	8.084	8.737	9.313	9.747	9.833	9.729	9.702	9.927	11.119	6.847
19.1	20.21	21.91	23.39	25.12	26.34	27.1	30.16	34.55	9.125	13.132
6.103	6.317	6.58	6.822	6.992	6.982	6.884	6.87	7.066	22.707	5.762
14.42	15.32	16.49	17.5	18.36	18.61	18.5	19.06	20.48	10.336	7.912
11.2	11.6	12.12	12.72	13.05	12.93	12.55	12.35	12.7	16.197	9.158
6.929	7.554	8.278	8.932	9.377	9.414	9.246	9.032	9.074	13.789	7.454
29.99	30.58	31.41	32.46	32.87	32.3	31.22	30.47	30.79	23.715	20.739
21.6	22.59	24.11	26.18	26.98	25.98	24.06	22.76	23.38	32.5	11.577
21.93	22.92	24.46	26.59	27.4	26.37	24.43	23.08	23.73	32.763	11.768
21.86	23.07	24.77	26.99	27.89	26.95	25.04	23.66	24.11	31.633	10.608
21.28	22.19	23.67	25.73	26.5	25.43	23.47	22.13	22.79	33.081	11.669
22.21	23.46	25.03	26.76	27.63	27.23	26.29	25.03	25.33	21.478	10.285
23.46	24.67	26.39	28.6	29.49	28.52	26.66	25.09	25.5	31.768	11.49
22.46	23.51	25.13	27.33	28.17	27.09	25.04	23.63	24.26	33.985	11.802
24.44	25.29	26.72	28.78	29.53	28.43	26.4	25.07	25.76	34.027	14.529

0.079	0	0	0.001	0.008	0.065	0.102	0.136	0.107
3.379	0	0	0.361	0.458	2.231	6.857	12.165	7.264
1.425	0	0	0.203	0.262	0.82	2.07	2.675	1.682
3.569	0	0	0.185	0.47	3.412	9.699	13.571	7.587
3.069	0	0	0.245	0.627	4.969	14.429	20.428	11.066
3.306	0	0	0.566	0.986	4.403	11.611	13.374	6.685
1.522	0	0	0.099	0.302	2.381	6.826	9.604	5.136
1.115	0	0	0.076	0.252	1.624	4.19	4.299	2.153
10.326	0	0	0.081	0.36	3.477	10.017	16.048	10.731
6.183	0	0	0.851	1.048	5.108	15.397	26.852	14.905
6.005	0	0	0.889	1.066	4.315	11.946	17.968	9.96
7.193	0	0	0.707	0.917	2.787	7.391	10.602	7.493
7.606	0	0	0.76	0.984	2.966	7.876	11.34	7.992
5.226	0	0	0.945	1.128	6.956	21.909	40.362	21.077
6.313	0	0	0.815	1.059	4.026	11.274	17.78	10.241

13-25 **act**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
5.203	0	0	0.579	0.749	3.419	10.252	17.957	10.86
5.231	0	0	0.623	0.809	3.46	10.137	16.93	10.474
7.647	0	0	0.754	0.977	2.901	7.642	10.82	7.752
1.449	0	0	0.365	0.448	2.531	8.011	16.807	9.131
4.653	0	0	0.52	0.673	3.676	11.445	21.011	12.282
9.681	0	0	1.311	1.635	8.168	25.296	46.912	26.034
11.129	0	0	1.015	1.267	6.277	18.924	34.193	20.046
2.785	0	0	0.185	0.232	15.356	57.307	126.42	65.549
8.17	0	0	1.098	1.399	5.57	15.982	26.251	15.99
22.063	0	0	2.919	3.71	6.39	13.505	14.425	13.557
6.297	0	0	0.627	0.767	8.455	29.379	61.714	33.022
15.638	0	0	2.356	2.912	6.584	15.874	20.963	12.815
11.638	0	0	1.772	2.198	8.816	24.621	38.068	20.528
7.587	0	0	1.227	1.538	6.586	19.577	33.423	19.942
30.101	0	0	3.361	4.086	12.226	33.115	54.849	31.646
21.998	0	0	6.871	8.265	21.232	53.324	69.572	31.831
22.336	0	0	7.053	8.484	21.597	54.016	69.715	31.77
22.423	0	0	6.741	8.087	21.006	52.696	67.631	30.034
21.6	0	0	7.078	8.517	21.681	54.317	70.563	32.298
22.957	0	0	4.836	5.764	14.538	35.866	44.923	20.386
23.96	0	0	6.821	8.171	21.138	52.866	67.743	30.231
22.866	0	0	7.348	8.821	22.408	55.98	72.393	32.873
24.72	0	0	7.148	8.6	21.899	54.96	72.73	34.479

0.06	0.057	0.066	0.063	0.052	0.05	0.057	0.067	0.073
3.495	3.443	2.936	2.057	1.764	1.813	2.081	2.455	2.763
1.363	1.293	1.15	0.867	0.811	0.871	0.964	1.104	1.208
3.542	3.129	2.689	1.807	1.542	1.73	2.105	2.59	2.994
4.25	3.51	2.608	1.027	0.378	0.426	0.949	1.64	2.225
3.072	2.244	1.649	0.464	0.194	0.546	1.182	1.948	2.56
1.839	1.513	1.153	0.5	0.242	0.303	0.547	0.866	1.132
1.131	0.844	0.63	0.178	0.053	0.15	0.362	0.614	0.82
7.814	7.936	8.039	7.723	7.976	8.6	8.935	9.392	9.768
5.594	5.62	4.997	3.809	3.478	3.756	4.204	4.841	5.325
4.935	4.926	4.545	3.537	3.363	3.65	4.094	4.698	5.183
6.766	6.345	5.556	4.375	4.194	4.548	4.975	5.651	6.142
7.159	6.711	5.875	4.623	4.432	4.806	5.26	5.977	6.497
4.677	5.054	4.54	3.339	2.862	3.065	3.516	4.103	4.56
5.375	5.251	4.658	3.478	3.277	3.644	4.195	4.897	5.426

2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
				% Impact				
5.554	5.376	4.609	3.43	3.058	3.194	3.534	4.054	4.443
6.063	5.781	4.887	3.482	3.023	3.083	3.445	3.991	4.415
7.192	6.736	5.906	4.661	4.476	4.855	5.303	6.019	6.536
1.533	1.721	1.431	0.974	0.729	0.811	1.04	1.292	1.436
5.159	5.08	4.339	3.204	2.789	2.872	3.173	3.633	3.978
8.372	8.651	7.837	6.086	5.636	6.185	6.941	7.923	8.642
9.524	9.91	9.369	8.023	7.858	8.394	9.018	9.805	10.407
6.102	8.137	6.671	4.607	2.583	2.033	2.197	2.439	2.612
8.583	8.317	7.299	5.292	4.669	4.8	5.409	6.304	7.02
14.917	13.838	13.519	11.528	11.757	13.202	14.36	16.588	18.142
6.081	6.987	6.297	5.048	4.384	4.64	5.046	5.541	5.896
9.169	8.63	8.207	6.514	7.02	8.699	10.228	12.177	13.561
10.058	10.229	9.616	7.948	7.935	8.796	9.581	10.395	10.935
10.039	9.694	8.061	5.232	4.197	4.076	4.75	5.65	6.378
19.566	21.556	21.51	19.673	21.396	24.438	26.614	28.468	29.583
14.792	15.657	13.001	6.721	7.77	11.536	15.801	19.054	20.98
15	15.935	13.244	6.819	7.888	11.713	16.077	19.389	21.329
13.855	14.585	11.975	5.753	6.936	10.86	15.327	18.809	20.992
15.008	15.926	13.152	6.66	7.651	11.395	15.682	18.903	20.756
11.613	12.306	11.239	7.494	8.838	12.196	15.817	18.953	21.106
14.409	15.321	12.894	6.794	8.095	12.179	16.763	20.35	22.586
15.285	16.119	13.292	6.633	7.744	11.755	16.287	19.753	21.804
17.345	18.587	16.053	9.762	10.936	14.83	19.076	22.234	24.009

0.074	0.074	0.076	0.082	0.089	0.094	0.096	0.097	0.104
2.997	3.272	3.599	3.889	4.123	4.212	4.26	4.279	4.447
1.273	1.36	1.48	1.589	1.677	1.707	1.717	1.766	1.89
3.259	3.551	3.881	4.218	4.459	4.509	4.452	4.294	4.285
2.623	3.06	3.547	4.037	4.385	4.452	4.357	4.097	4.03
2.934	3.345	3.818	4.302	4.626	4.651	4.529	4.234	4.201
1.31	1.503	1.722	1.944	2.108	2.148	2.117	2.023	2.022
0.95	1.093	1.259	1.444	1.576	1.607	1.574	1.501	1.514
10.008	10.276	10.587	10.909	11.148	11.202	11.154	11.042	11.087
5.639	6.017	6.487	6.897	7.208	7.284	7.298	7.465	7.838
5.514	5.889	6.335	6.747	7.047	7.124	7.138	7.203	7.422
6.463	6.893	7.464	7.914	8.27	8.352	8.397	8.731	9.298
6.838	7.295	7.898	8.374	8.75	8.834	8.88	9.224	9.813
4.852	5.172	5.542	5.905	6.169	6.229	6.204	6.231	6.444
5.771	6.183	6.701	7.168	7.498	7.551	7.535	7.615	7.936
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
4.705	5.036	5.463	5.808	6.067	6.119	6.123	6.273	6.591
4.719	5.094	5.556	5.931	6.204	6.251	6.235	6.312	6.543
6.873	7.326	7.929	8.405	8.782	8.866	8.912	9.272	9.881
1.476	1.519	1.604	1.701	1.744	1.683	1.59	1.478	1.472
4.211	4.506	4.883	5.189	5.419	5.468	5.472	5.601	5.877
9.095	9.592	10.208	10.767	11.188	11.238	11.087	11.169	11.673
10.793	11.212	11.702	12.159	12.445	12.403	12.177	11.959	12.042
2.706	2.806	2.912	3.005	3.076	3.078	3.069	3.083	3.192
7.53	8.084	8.737	9.313	9.747	9.833	9.729	9.702	9.927
19.101	20.212	21.908	23.39	25.117	26.335	27.104	30.163	34.548
6.103	6.317	6.58	6.822	6.992	6.982	6.884	6.87	7.066
14.417	15.318	16.485	17.498	18.359	18.605	18.503	19.058	20.477
11.204	11.598	12.12	12.715	13.048	12.928	12.552	12.354	12.702
6.929	7.554	8.278	8.932	9.377	9.414	9.246	9.032	9.074
29.992	30.578	31.413	32.462	32.865	32.303	31.219	30.468	30.788
21.598	22.587	24.109	26.184	26.983	25.981	24.064	22.763	23.378
21.928	22.917	24.464	26.588	27.402	26.369	24.432	23.084	23.731
21.855	23.07	24.774	26.99	27.888	26.948	25.041	23.658	24.112
21.278	22.193	23.669	25.732	26.495	25.429	23.465	22.134	22.787
22.211	23.461	25.025	26.762	27.633	27.231	26.292	25.03	25.33
23.463	24.674	26.39	28.602	29.493	28.524	26.655	25.091	25.496
22.46	23.511	25.131	27.331	28.172	27.092	25.039	23.634	24.257
24.442	25.285	26.72	28.775	29.525	28.428	26.398	25.072	25.758

Labouring:Printing & rltd activities	37.472	13.061	24.011	0	0 8.107
Printing & rltd, nec	29.532	9.549	19.21	0	0 5.922
Stationary Engine & Utilities Equipment Operating & Related Occupations	19.878	34.661	46.014	0	0 0.62
Foremn/wmn:Stationary eng&util eqpt opr	24.791	33.721	42.476	0	0 0.63
Power station operators	9.585	7.401	8.639	0	0 0.353
Stationary eng&utility eqpt op&rltd,nec	20.99	40.912	56.408	0	0 0.672
Electronic & Related Communications Equipment Operating Occupations, NEC	8.112	4.49	6.331	0	0 0.877
Foremn/wmn:elect&rltd comms eqpt op,nec	10.872	15.969	21.717	0	0 1.178
Radio & tv broadcasting eqpt operators	7.089	3.26	4.532	0	0 0.859
Telegraph operators	15.155	3.779	5.508	0	0 0.405
Sound&video recording&reprod eqpt oper	7.898	3.615	5.908	0	0 1.12
Motion picture projectionists	17.922	3.949	8.335	0	0 1.589
Oth electronic&rltd comm eqpt oper, nec	5.184	1.761	1.872	0	0 0.398
Other Crafts & Equipment Operating Occupations, NEC	21.626	10.422	19.279	0	0 4.791
Foremen/women:Oth crafts&eqpt oper, nec	20.565	11.556	18.689	0	0 4.51
Photographic processing	21.965	10.499	19.556	0	0 4.877
Oth crafts & eqpt operating occs, nec	11.203	3.088	10.199	0	0 2.237

	Yukon Occupation Impact Debt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
		Average % Impact					
N.E.C.	OCCUPATIONS NEC	25.653	7.442	8.631	0	0	0.851
	Supervisors & foremen/women, nec	22.783	9.695	11.766	0	0	0.912
	Inspecting,testing,grading&sampling,nec	12.437	2.335	2.971	0	0	0.463
	Labouring & oth elemental work, nec	35.051	8.144	8.585	0	0	0.856
	Oth occupations, nec	13.07	6.165	8.324	0	0	0.84

9.73	24.69	61.55	79.4	36.31	16.947	17.96	14.75	7.313	8.399	12.61	17.44	21.04	23.1
7.148	18.88	48.04	64.34	29.52	12.64	13.16	10.74	5.195	6.075	9.429	13.21	16.19	18.03
0.765	5.956	19.83	51.15	37.63	28.238	32.13	34.93	37.63	40.79	43.9	44.44	45.34	45.95
0.774	7.806	26.45	64.44	43.84	27.907	31.76	34.1	36.23	38.8	41.52	41.9	42.5	42.85
0.419	3.23	10.99	25.25	15.48	6.545	7.359	7.571	7.622	7.886	8.359	8.471	8.585	8.651
0.833	6.136	20.31	53.79	40.92	32.87	37.56	41.17	44.8	48.93	52.91	53.71	55.1	56.07
1.14	3.877	11.47	20.05	10.86	4.913	5.025	4.612	3.837	4.053	4.736	5.104	5.668	6.003
1.492	4.431	12.95	26.66	17.97	14.179	15.35	16.01	16.39	17.94	19.83	20.4	21.1	21.48
1.126	3.586	10.42	17.22	9.01	3.93	3.906	3.381	2.482	2.579	3.133	3.428	3.944	4.238
0.576	6.01	20.69	40.98	21.24	4.287	4.711	4.039	3.037	2.819	3.318	3.914	4.559	4.982
1.435	4.23	11.78	18.7	9.656	4.393	4.249	3.701	2.739	2.966	3.761	4.216	4.964	5.417
1.914	7.888	24.69	46.67	23.36	4.638	4.866	4.204	2.968	3.064	4.16	5.34	6.652	7.6
0.52	2.213	6.989	13.44	7.394	2.3	2.309	1.897	1.255	1.05	1.11	1.307	1.546	1.716
5.835	14.18	35.12	45.3	22.62	12.935	13.09	11.37	7.026	7.68	10.32	13.25	15.88	17.56
5.525	13.35	33.02	42.65	22.71	14.555	14.49	12.53	7.96	8.234	10.41	13.02	15.46	17
5.936	14.41	35.67	46.02	22.91	12.992	13.17	11.46	7.085	7.773	10.47	13.46	16.13	17.83
2.744	7.642	19.44	24.45	10.04	4.597	4.415	3.443	1.17	1.843	3.672	5.618	7.389	8.713
2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
									% Impact				
1.048	9.548	32.82	68.98	37.19	7.792	8.778	7.987	6.608	6.023	6.441	7	7.666	8.152
1.11	8.376	28.52	60.88	33.94	9.436	10.58	10.16	9.225	9.061	9.719	10.28	10.93	11.41
0.547	4.678	16.05	33.53	17.56	2.443	2.978	2.619	1.964	1.607	1.813	2.153	2.514	2.783
1.056	12.74	44.74	94.97	50.31	8.717	10.06	8.906	7.03	5.995	6.273	6.865	7.561	8.072
1.036	5.294	16.88	33.99	19.08	6.298	6.743	6.405	5.676	5.69	6.283	6.798	7.423	7.877

23.64	24.64	26.29	28.65	29.52	28.3	25.99	24.55	25.34	37.472	13.061
18.73	19.73	21.16	23.02	23.79	23	21.34	20.31	20.9	29.532	9.549
46.31	46.62	46.81	46.93	46.92	46.71	46.33	46.03	46.02	19.878	34.661
42.99	43.09	43.12	43.13	43	42.66	42.17	41.73	41.61	24.791	33.721
8.669	8.699	8.743	8.789	8.795	8.74	8.672	8.571	8.553	9.585	7.401
56.72	57.25	57.6	57.81	57.85	57.64	57.21	56.87	56.91	20.99	40.912
6.201	6.496	6.854	6.991	7.039	6.833	6.702	6.753	6.93	8.112	4.49
21.66	21.98	22.36	22.57	22.62	22.34	22.07	21.91	22.03	10.872	15.969
4.414	4.694	5.039	5.135	5.158	4.934	4.802	4.912	5.11	7.089	3.26
5.252	5.596	6	6.31	6.465	6.366	6.303	6.159	6.292	15.155	3.779
5.678	6.053	6.51	6.682	6.778	6.577	6.461	6.681	7.055	7.898	3.615
8.185	8.811	9.468	9.922	10.14	9.925	9.778	9.215	9.063	17.922	3.949
1.831	1.97	2.127	2.234	2.274	2.202	2.127	1.981	1.901	5.184	1.761
18.29	19.26	20.68	22.34	23.26	22.94	21.92	21.63	22.79	21.626	10.422
17.67	18.6	19.96	21.52	22.41	22.12	21.2	21	22.18	20.565	11.556
18.56	19.54	20.97	22.66	23.59	23.26	22.23	21.92	23.11	21.965	10.499
9.529	10.45	11.49	12.58	13.15	12.99	12.33	12	12.15	11.203	3.088
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**
									Average % Imp	
8.452	8.775	9.126	9.423	9.598	9.536	9.385	9.236	9.336	25.653	7.442
11.7	12	12.32	12.59	12.71	12.6	12.4	12.15	12.15	22.783	9.695
2.948	3.126	3.306	3.474	3.545	3.481	3.389	3.157	3.082	12.437	2.335
8.391	8.726	9.092	9.406	9.595	9.533	9.371	9.22	9.344	35.051	8.144
8.152	8.459	8.794	9.071	9.233	9.176	9.049	8.917	8.996	13.07	6.165

24.011	0	0	8.107	9.73	24.689	61.553	79.395	36.311
19.21	0	0	5.922	7.148	18.878	48.039	64.335	29.518
46.014	0	0	0.62	0.765	5.956	19.833	51.147	37.627
42.476	0	0	0.63	0.774	7.806	26.446	64.437	43.838
8.639	0	0	0.353	0.419	3.23	10.993	25.253	15.476
56.408	0	0	0.672	0.833	6.136	20.305	53.785	40.924
6.331	0	0	0.877	1.14	3.877	11.471	20.045	10.864
21.717	0	0	1.178	1.492	4.431	12.946	26.655	17.974
4.532	0	0	0.859	1.126	3.586	10.416	17.222	9.01
5.508	0	0	0.405	0.576	6.01	20.69	40.978	21.239
5.908	0	0	1.12	1.435	4.23	11.782	18.702	9.656
8.335	0	0	1.589	1.914	7.888	24.687	46.667	23.364
1.872	0	0	0.398	0.52	2.213	6.989	13.442	7.394
19.279	0	0	4.791	5.835	14.179	35.122	45.303	22.624
18.689	0	0	4.51	5.525	13.347	33.015	42.652	22.713
19.556	0	0	4.877	5.936	14.406	35.674	46.024	22.913
10.199	0	0	2.237	2.744	7.642	19.44	24.454	10.041

13-25	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
act								
8.631	0	0	0.851	1.048	9.548	32.818	68.98	37.186
11.766	0	0	0.912	1.11	8.376	28.524	60.878	33.941
2.971	0	0	0.463	0.547	4.678	16.053	33.53	17.561
8.585	0	0	0.856	1.056	12.737	44.739	94.965	50.308
8.324	0	0	0.84	1.036	5.294	16.884	33.985	19.083

16.947	17.955	14.754	7.313	8.399	12.605	17.437	21.044	23.095
12.64	13.162	10.739	5.195	6.075	9.429	13.209	16.19	18.03
28.238	32.125	34.931	37.634	40.786	43.901	44.438	45.339	45.948
27.907	31.758	34.102	36.229	38.804	41.521	41.903	42.498	42.853
6.545	7.359	7.571	7.622	7.886	8.359	8.471	8.585	8.651
32.87	37.558	41.168	44.797	48.933	52.914	53.712	55.095	56.071
4.913	5.025	4.612	3.837	4.053	4.736	5.104	5.668	6.003
14.179	15.351	16.012	16.387	17.944	19.832	20.399	21.096	21.483
3.93	3.906	3.381	2.482	2.579	3.133	3.428	3.944	4.238
4.287	4.711	4.039	3.037	2.819	3.318	3.914	4.559	4.982
4.393	4.249	3.701	2.739	2.966	3.761	4.216	4.964	5.417
4.638	4.866	4.204	2.968	3.064	4.16	5.34	6.652	7.6
2.3	2.309	1.897	1.255	1.05	1.11	1.307	1.546	1.716
12.935	13.088	11.374	7.026	7.68	10.315	13.252	15.884	17.561
14.555	14.486	12.526	7.96	8.234	10.406	13.017	15.458	16.996
12.992	13.172	11.463	7.085	7.773	10.469	13.46	16.132	17.83
4.597	4.415	3.443	1.17	1.843	3.672	5.618	7.389	8.713
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
				% Impact				
7.792	8.778	7.987	6.608	6.023	6.441	7	7.666	8.152
9.436	10.58	10.161	9.225	9.061	9.719	10.275	10.933	11.409
2.443	2.978	2.619	1.964	1.607	1.813	2.153	2.514	2.783
8.717	10.057	8.906	7.03	5.995	6.273	6.865	7.561	8.072
6.298	6.743	6.405	5.676	5.69	6.283	6.798	7.423	7.877

23.635	24.636	26.294	28.649	29.52	28.298	25.994	24.553	25.339
18.73	19.727	21.16	23.024	23.79	22.996	21.341	20.307	20.9
46.314	46.616	46.809	46.929	46.923	46.707	46.329	46.026	46.024
42.99	43.092	43.117	43.132	43.002	42.662	42.165	41.725	41.61
8.669	8.699	8.743	8.789	8.795	8.74	8.672	8.571	8.553
56.717	57.253	57.599	57.807	57.854	57.642	57.207	56.874	56.906
6.201	6.496	6.854	6.991	7.039	6.833	6.702	6.753	6.93
21.659	21.975	22.362	22.565	22.617	22.338	22.07	21.912	22.03
4.414	4.694	5.039	5.135	5.158	4.934	4.802	4.912	5.11
5.252	5.596	6	6.31	6.465	6.366	6.303	6.159	6.292
5.678	6.053	6.51	6.682	6.778	6.577	6.461	6.681	7.055
8.185	8.811	9.468	9.922	10.136	9.925	9.778	9.215	9.063
1.831	1.97	2.127	2.234	2.274	2.202	2.127	1.981	1.901
18.287	19.261	20.676	22.341	23.262	22.937	21.924	21.63	22.793
17.671	18.596	19.963	21.519	22.411	22.117	21.197	21.002	22.183
18.559	19.538	20.967	22.656	23.589	23.257	22.225	21.923	23.109
9.529	10.446	11.485	12.575	13.15	12.993	12.334	11.998	12.154
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
8.452	8.775	9.126	9.423	9.598	9.536	9.385	9.236	9.336
11.695	11.999	12.318	12.585	12.714	12.602	12.4	12.152	12.154
2.948	3.126	3.306	3.474	3.545	3.481	3.389	3.157	3.082
8.391	8.726	9.092	9.406	9.595	9.533	9.371	9.22	9.344
8.152	8.459	8.794	9.071	9.233	9.176	9.049	8.917	8.996

	Yukon Occupation Impact Govt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
		Average % Impact					
Total	TOTAL	25.501	13.048	11.882	0	0	1.801
Managerial	MANAGERIAL, ADMINISTRATIVE & RELATED	20.39	9.571	5.902	0	0	1.823
	Officials & Administrators Unique to Government	0.151	0.202	0.168	0	0	0.007
	Gov't administrators	0.117	0.174	0.159	0	0	0.001
	Post office mgmt	3.15	4.648	3.752	0	0	0.333
	Inspectors & regulatory officers, gov't	0.128	0.18	0.154	0	0	0.004
	Officials & admin unique to gov't, nec	0.206	0.242	0.171	0	0	0.018
	Other Managers & Administrators	25.097	14.266	12.625	0	0	1.893
	General mgrs & oth senior officials	28.656	10.307	4.011	0	0	1.746
	Mgmt occs, nat sciences & engineering	18.935	2.853	-7.867	0	0	3.245
	Mgmt occs, soc sciences & rltd fields	1.769	1.016	0.196	0	0	0.33
	Administrators in teaching&rltd fields	0.661	0.362	-0.073	0	0	0.085
	Administrators in medicine & health	1.367	1.227	0.889	0	0	0.203
	Financial mgmt	12.588	6.899	0.991	0	0	1.607
	Personnel & indust relations mgmt occs	12.642	8.062	4.203	0	0	1.244
	Sales & advertising mgmt	25.448	30.352	39.854	0	0	3.178
	Purchasing mgmt	17.769	11.641	11.643	0	0	1.215
	Services mgmt	18.718	18.933	22.475	0	0	2.516
	Production mgmt	26.206	11.138	4.741	0	0	1.989
	Mgmt, construction operations	85.059	12.495	6.42	0	0	0.243
	Farm mgmt	0	0	0	0	0	0
	Mgmt occs, transport&communic operation	22.74	34.119	29.244	0	0	1.971
	Oths managers	23.235	9.996	5.201	0	0	1.725
	Occupations Related to Management & Administration	20.209	4.08	-5.5	0	0	2.598
	Accountants, auditors&oth fin officers	25.366	3.751	-5.486	0	0	3.519
	Organization & methods analysts	18.496	-0.794	-27.338	0	0	2.613
	Personnel & rltd officers	7.256	2.442	-4.312	0	0	0.797
	Purchasing officers & buyers, ex w/sale & retail trade	18.546	7.159	2.633	0	0	1.056
	Inspectors & regulatory officers, nec	26.149	12.271	-2.803	0	0	2.545
	Occs rltd to mgmt & administration, nec	14.365	5.672	-3.722	0	0	1.455
	Yukon Occupation Impact Govt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
		Average % Impact					

Yukon
Employment by Occupation
Standard Occupational Classification
Thousands

2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
									% Impact				
2.918	10.29	32.11	63.31	40.21	14.66	14.55	13.98	11.41	10.6	9.297	9.396	9.785	10.31
2.865	8.578	25.95	49.93	31.74	11.79	11.33	10.37	7.669	6.671	5.569	5.452	5.58	5.813
0.059	0.141	0.209	0.251	0.235	0.218	0.212	0.204	0.192	0.186	0.182	0.179	0.176	0.174
0.049	0.121	0.162	0.182	0.183	0.18	0.177	0.174	0.17	0.167	0.165	0.164	0.162	0.161
0.881	2.093	4.451	6.462	5.891	5.827	5.486	4.834	3.676	3.354	3.421	3.512	3.581	3.566
0.053	0.127	0.178	0.206	0.199	0.19	0.186	0.181	0.174	0.169	0.166	0.164	0.161	0.159
0.073	0.169	0.286	0.37	0.316	0.268	0.26	0.246	0.223	0.212	0.205	0.198	0.193	0.187
3.159	10.4	31.73	61.21	40.04	16.2	16.02	15.28	12.36	11.41	10.19	10.26	10.65	11.18
2.824	11.5	36.7	72.59	43.47	12.63	12.34	11.48	8.189	6.867	4.944	4.715	4.72	4.831
4.316	8.378	23.86	46.13	26.51	7.054	5.54	3.402	-0.148	-1.65	-2.745	-3.403	-3.843	-4.229
0.543	0.97	2.324	3.649	2.644	1.493	1.346	1.111	0.659	0.477	0.414	0.371	0.362	0.369
0.176	0.386	0.885	1.395	0.98	0.546	0.487	0.394	0.229	0.151	0.104	0.082	0.069	0.059
0.376	0.746	1.766	2.758	2.221	1.536	1.455	1.298	0.984	0.862	0.824	0.814	0.832	0.867
2.42	5.833	16.46	29.61	19.34	8.882	8.524	7.538	5.192	4.222	3.489	3.102	2.85	2.624
2.054	5.593	16.14	29.71	20.29	9.919	9.548	8.679	6.495	5.659	5.029	4.834	4.813	4.871
5.569	11.83	31.41	53.37	45.79	32.01	32.36	31.81	27.99	27.5	27.92	28.82	30.34	32.19
2.004	7.102	22.05	43.94	29.08	12.43	12.56	12.33	10.66	10.24	9.625	9.728	10.04	10.44
4.518	9.263	23.59	39.34	32.81	23.02	21.43	19.31	15.96	14.75	14.86	15.36	16.36	17.66
3.157	11.11	33.82	64.61	39.79	14.17	13.55	12.21	8.537	7.182	6.047	5.889	5.963	6.073
0.345	28.22	105.9	231.9	119.3	10.45	12.56	14.89	12.71	11.83	4.841	4.957	5.185	5.486
0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.365	9.563	27.21	49.71	44.21	38.76	38.31	35.35	29.98	28.08	26.85	26.53	26.85	27.54
2.728	9.546	29.64	57.83	35.68	12.02	11.75	10.95	8.127	7.072	5.667	5.497	5.557	5.706
3.655	8.804	26.05	49.89	29.12	7.901	6.667	4.813	1.29	-0.253	-1.635	-2.172	-2.498	-2.755
4.732	10.81	32.32	63.42	36.04	8.061	6.563	4.44	0.639	-0.938	-2.506	-3.008	-3.228	-3.369
4.083	9.379	25.83	43.43	24.56	6.493	4.077	0.701	-5.775	-9.342	-11.73	-13.34	-14.88	-16.38
1.344	3.505	9.799	16.96	10.81	4.519	3.914	2.943	0.939	-0.074	-0.783	-1.186	-1.518	-1.814
1.73	7.397	23.66	47.22	28.62	9.124	8.755	7.839	5.495	4.571	3.402	3.239	3.232	3.28
3.931	11.43	33.85	62.84	40.32	17.6	16.27	13.67	8.165	5.611	3.416	2.553	1.987	1.568
2.382	6.542	18.9	34.26	21.7	8.767	7.954	6.477	3.3	1.876	0.791	0.238	-0.175	-0.523
2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
									% Impact				

2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**		
10.64	11.25	12.03	12.94	13.7	14.29	13.189	13.939	13.66	25.501	13.048
5.86	6.144	6.56	7.035	7.275	7.226	5.113	5.244	3.879	20.39	9.571
0.171	0.169	0.168	0.167	0.166	0.164	0.159	0.156	0.152	0.151	0.202
0.159	0.159	0.158	0.157	0.157	0.157	0.156	0.155	0.155	0.117	0.174
3.514	3.534	3.739	4.056	4.251	4.289	3.885	3.908	3.868	3.15	4.648
0.157	0.155	0.153	0.152	0.151	0.15	0.147	0.145	0.142	0.128	0.18
0.181	0.176	0.173	0.171	0.167	0.161	0.149	0.138	0.126	0.206	0.242
11.47	12.07	12.87	13.83	14.6	15.14	13.715	14.323	13.799	25.097	14.266
4.753	4.889	5.132	5.391	5.333	4.857	2.087	1.481	-0.75	28.656	10.307
-4.778	-5.148	-5.49	-6.013	-7.101	-8.839	-14.83	-15.54	-20.32	18.935	2.853
0.349	0.364	0.393	0.422	0.397	0.303	-0.212	-0.28	-0.677	1.769	1.016
0.04	0.03	0.02	0.004	-0.033	-0.1	-0.288	-0.372	-0.551	0.661	0.362
0.883	0.928	0.987	1.048	1.078	1.066	0.833	0.792	0.599	1.367	1.227
2.267	2.056	1.943	1.829	1.445	0.709	-1.776	-2.618	-4.754	12.588	6.899
4.783	4.866	5.026	5.188	5.116	4.729	2.775	2.186	0.53	12.642	8.062
33.5	35.53	38.16	41.44	44.79	48.28	48.574	52.999	56.284	25.448	30.352
10.69	11.12	11.69	12.36	12.95	13.41	12.726	13.227	13.116	17.769	11.641
18.5	19.94	21.72	23.85	25.91	28.09	28.849	30.784	32.355	18.718	18.933
6.061	6.189	6.399	6.615	6.404	5.618	2.278	0.869	-2.329	26.206	11.138
5.709	6.013	6.324	6.677	7.041	7.41	7.424	7.896	8.189	85.059	12.495
0	0	0	0	0	0	0	0	0	0	0
28.23	29.31	30.44	31.46	32.06	32.07	30.617	29.87	28.375	22.74	34.119
5.675	5.855	6.146	6.464	6.501	6.17	3.704	3.338	1.455	23.235	9.996
-3.172	-3.413	-3.598	-3.901	-4.669	-5.987	-10.64	-11.45	-15.27	20.209	4.08
-3.672	-3.746	-3.728	-3.809	-4.359	-5.4	-10.45	-10.17	-13.73	25.366	3.751
-18.25	-20	-21.81	-24.07	-27.45	-32.41	-42.97	-49.21	-59.82	18.496	-0.794
-2.223	-2.562	-2.908	-3.355	-4.098	-5.265	-7.94	-9.618	-12.42	7.256	2.442
3.28	3.367	3.516	3.639	3.515	3.096	1.137	0.657	-1.035	18.546	7.159
0.923	0.546	0.224	-0.313	-1.551	-3.732	-9.735	-12.66	-18.44	26.149	12.271
-1.021	-1.404	-1.751	-2.214	-3.128	-4.643	-8.725	-10.64	-14.54	14.365	5.672
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**

Average % Imp

13-25	2000	2001	2002	2003	2004	2005	2006	2007
11.882	0	0	1.801	2.918	10.286	32.111	63.307	40.214
5.902	0	0	1.823	2.865	8.578	25.947	49.931	31.744
0.168	0	0	0.007	0.059	0.141	0.209	0.251	0.235
0.159	0	0	0.001	0.049	0.121	0.162	0.182	0.183
3.752	0	0	0.333	0.881	2.093	4.451	6.462	5.891
0.154	0	0	0.004	0.053	0.127	0.178	0.206	0.199
0.171	0	0	0.018	0.073	0.169	0.286	0.37	0.316
12.625	0	0	1.893	3.159	10.398	31.729	61.205	40.043
4.011	0	0	1.746	2.824	11.501	36.699	72.588	43.472
-7.867	0	0	3.245	4.316	8.378	23.862	46.132	26.507
0.196	0	0	0.33	0.543	0.97	2.324	3.649	2.644
-0.073	0	0	0.085	0.176	0.386	0.885	1.395	0.98
0.889	0	0	0.203	0.376	0.746	1.766	2.758	2.221
0.991	0	0	1.607	2.42	5.833	16.456	29.611	19.336
4.203	0	0	1.244	2.054	5.593	16.142	29.714	20.286
39.854	0	0	3.178	5.569	11.827	31.409	53.372	45.794
11.643	0	0	1.215	2.004	7.102	22.048	43.944	29.076
22.475	0	0	2.516	4.518	9.263	23.589	39.335	32.814
4.741	0	0	1.989	3.157	11.112	33.821	64.613	39.787
6.42	0	0	0.243	0.345	28.216	105.921	231.915	119.255
0	0	0	0	0	0	0	0	0
29.244	0	0	1.971	3.365	9.563	27.214	49.707	44.205
5.201	0	0	1.725	2.728	9.546	29.642	57.832	35.681
-5.5	0	0	2.598	3.655	8.804	26.045	49.892	29.124
-5.486	0	0	3.519	4.732	10.812	32.32	63.424	36.039
-27.338	0	0	2.613	4.083	9.379	25.831	43.432	24.56
-4.312	0	0	0.797	1.344	3.505	9.799	16.959	10.813
2.633	0	0	1.056	1.73	7.397	23.659	47.217	28.622
-2.803	0	0	2.545	3.931	11.426	33.853	62.836	40.321
-3.722	0	0	1.455	2.382	6.542	18.9	34.264	21.696

pact

14.662	14.554	13.976	11.414	10.604	9.297	9.396	9.785	10.314
11.789	11.333	10.371	7.669	6.671	5.569	5.452	5.58	5.813
0.218	0.212	0.204	0.192	0.186	0.182	0.179	0.176	0.174
0.18	0.177	0.174	0.17	0.167	0.165	0.164	0.162	0.161
5.827	5.486	4.834	3.676	3.354	3.421	3.512	3.581	3.566
0.19	0.186	0.181	0.174	0.169	0.166	0.164	0.161	0.159
0.268	0.26	0.246	0.223	0.212	0.205	0.198	0.193	0.187
16.201	16.023	15.279	12.361	11.406	10.192	10.262	10.648	11.181
12.631	12.34	11.478	8.189	6.867	4.944	4.715	4.72	4.831
7.054	5.54	3.402	-0.148	-1.65	-2.745	-3.403	-3.843	-4.229
1.493	1.346	1.111	0.659	0.477	0.414	0.371	0.362	0.369
0.546	0.487	0.394	0.229	0.151	0.104	0.082	0.069	0.059
1.536	1.455	1.298	0.984	0.862	0.824	0.814	0.832	0.867
8.882	8.524	7.538	5.192	4.222	3.489	3.102	2.85	2.624
9.919	9.548	8.679	6.495	5.659	5.029	4.834	4.813	4.871
32.008	32.361	31.813	27.988	27.504	27.916	28.819	30.341	32.185
12.426	12.555	12.327	10.659	10.238	9.625	9.728	10.04	10.444
23.019	21.428	19.313	15.96	14.746	14.857	15.359	16.356	17.656
14.171	13.553	12.208	8.537	7.182	6.047	5.889	5.963	6.073
10.448	12.558	14.894	12.71	11.826	4.841	4.957	5.185	5.486
0	0	0	0	0	0	0	0	0
38.755	38.305	35.354	29.976	28.084	26.85	26.526	26.853	27.538
12.017	11.751	10.948	8.127	7.072	5.667	5.497	5.557	5.706
7.901	6.667	4.813	1.29	-0.253	-1.635	-2.172	-2.498	-2.755
8.061	6.563	4.44	0.639	-0.938	-2.506	-3.008	-3.228	-3.369
6.493	4.077	0.701	-5.775	-9.342	-11.732	-13.343	-14.882	-16.375
4.519	3.914	2.943	0.939	-0.074	-0.783	-1.186	-1.518	-1.814
9.124	8.755	7.839	5.495	4.571	3.402	3.239	3.232	3.28
17.597	16.267	13.666	8.165	5.611	3.416	2.553	1.987	1.568
8.767	7.954	6.477	3.3	1.876	0.791	0.238	-0.175	-0.523
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**

% Impact

10.638	11.251	12.029	12.936	13.697	14.286	13.189	13.939	13.66
5.86	6.144	6.56	7.035	7.275	7.226	5.113	5.244	3.879
0.171	0.169	0.168	0.167	0.166	0.164	0.159	0.156	0.152
0.159	0.159	0.158	0.157	0.157	0.157	0.156	0.155	0.155
3.514	3.534	3.739	4.056	4.251	4.289	3.885	3.908	3.868
0.157	0.155	0.153	0.152	0.151	0.15	0.147	0.145	0.142
0.181	0.176	0.173	0.171	0.167	0.161	0.149	0.138	0.126
11.468	12.071	12.87	13.825	14.598	15.143	13.715	14.323	13.799
4.753	4.889	5.132	5.391	5.333	4.857	2.087	1.481	-0.75
-4.778	-5.148	-5.49	-6.013	-7.101	-8.839	-14.827	-15.544	-20.323
0.349	0.364	0.393	0.422	0.397	0.303	-0.212	-0.28	-0.677
0.04	0.03	0.02	0.004	-0.033	-0.1	-0.288	-0.372	-0.551
0.883	0.928	0.987	1.048	1.078	1.066	0.833	0.792	0.599
2.267	2.056	1.943	1.829	1.445	0.709	-1.776	-2.618	-4.754
4.783	4.866	5.026	5.188	5.116	4.729	2.775	2.186	0.53
33.5	35.53	38.16	41.444	44.792	48.282	48.574	52.999	56.284
10.69	11.124	11.685	12.362	12.948	13.412	12.726	13.227	13.116
18.5	19.938	21.722	23.847	25.91	28.088	28.849	30.784	32.355
6.061	6.189	6.399	6.615	6.404	5.618	2.278	0.869	-2.329
5.709	6.013	6.324	6.677	7.041	7.41	7.424	7.896	8.189
0	0	0	0	0	0	0	0	0
28.234	29.305	30.442	31.456	32.057	32.067	30.617	29.87	28.375
5.675	5.855	6.146	6.464	6.501	6.17	3.704	3.338	1.455
-3.172	-3.413	-3.598	-3.901	-4.669	-5.987	-10.644	-11.454	-15.268
-3.672	-3.746	-3.728	-3.809	-4.359	-5.4	-10.447	-10.165	-13.73
-18.245	-19.997	-21.814	-24.069	-27.449	-32.405	-42.971	-49.207	-59.818
-2.223	-2.562	-2.908	-3.355	-4.098	-5.265	-7.94	-9.618	-12.423
3.28	3.367	3.516	3.639	3.515	3.096	1.137	0.657	-1.035
0.923	0.546	0.224	-0.313	-1.551	-3.732	-9.735	-12.656	-18.436
-1.021	-1.404	-1.751	-2.214	-3.128	-4.643	-8.725	-10.639	-14.535
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**

Nat. Scienc	NATURAL SCIENCES, ENGINEERING & MATHEMATICS	20.829	4.136	-7.813	0	0	3.07
	Occupations in Physical Sciences	10.021	0.91	-3.67	0	0	2.155
	Chemists	8.016	1.399	-1.578	0	0	1.589
	Geologists	10.185	-0.564	-7.109	0	0	2.627
	Physicists	12.441	-1.987	-8.912	0	0	2.917
	Meteorologists	5.513	0.236	-2.595	0	0	1.308
	Phys science technologists&technicians	11.383	2.171	-2.069	0	0	2.145
	Physical sciences, nec	8.806	-1.854	-9.389	0	0	2.392
	Occupations in Life Sciences	4.287	0.153	-1.641	0	0	0.729
	Agriculturists & rltd scientists	4.086	0.661	-0.303	0	0	0.349
	Biologists & rltd scientists	4.708	-0.523	-3.475	0	0	1.183
	Life science technologists&technicians	4.296	0.303	-1.258	0	0	0.713
	Life sciences, nec	3.705	0.003	-1.879	0	0	0.678
	Architects, Engineers & Community Planners	27.502	5.136	-4.74	0	0	4.207
	Architects	34.445	-4.737	-21.563	0	0	7.728
	Chemical engineers	30.134	15.77	8.361	0	0	5.496
	Civil engineers	33.901	5.338	-2.979	0	0	4.045
	Electrical engineers	23.938	5.123	-4.55	0	0	3.742
	Industrial engineers	21.43	9.32	3.399	0	0	2.716
	Agricultural engineers	15.004	-1.078	-8.177	0	0	2.947
	Mechanical engineers	28.781	4.157	-6.285	0	0	5.138
	Metallurgical engineers	19.858	8.456	5.267	0	0	2.758
	Mining engineers	8.705	0.973	-3.139	0	0	2.011
	Petroleum engineers	15.532	38.382	59.749	0	0	2.099
	Aerospace engineers	28.071	36.01	18.929	0	0	3.283
	Nuclear engineers	24.57	-1.508	-10.905	0	0	4.338
	Community planners	21.368	-0.296	-16.391	0	0	2.443
	Professional engineers, nec	26.475	0.638	-12.235	0	0	5.55
	Other Occupations in Architecture & Engineering	28.671	7.382	-0.628	0	0	3.633
	Supervisors:oth occs in arch & engineer	26.426	4.1	-5.472	0	0	4.623
	Surveyors	29.678	3.059	-5.175	0	0	4.164
	Draughting	32.129	2.664	-8.909	0	0	5.22
	Architectural technologist & technician	36.585	-2.427	-16.898	0	0	6.182
	Engineering technologists & technicians	25.318	13.352	8.36	0	0	2.027
	Oth occs in architecture&engineer, nec	31.828	9.935	3.304	0	0	3.609
	Occupations in Mathematics, Statistics, Systems Analysis & Related Fields	14.033	2.199	-22.104	0	0	2.148
	Mathematician, statistician & actuaries	7.524	4.455	-5.523	0	0	1.159
	Systems analysts, computer programmers	14.568	2.067	-23.356	0	0	2.231
	Occs in math,stats,syst anal etc, nec	7.789	-1.756	-15.576	0	0	1.009
	Yukon Occupation Impact Govt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**

4.179	9.069	26.4	51.23	29.71	8.387	6.955	4.867	1.074	-0.561	-1.879	-2.614	-3.138	-3.605
2.795	4.661	12.61	23.76	13.58	3.466	2.454	1.073	-0.884	-1.666	-2.097	-2.35	-2.448	-2.522
2.105	3.737	10.13	19.06	11.09	3.23	2.516	1.54	0.109	-0.408	-0.672	-0.817	-0.837	-0.855
3.316	4.823	12.64	23.76	13.21	2.644	1.33	-0.449	-2.833	-3.912	-4.472	-4.879	-5.147	-5.358
3.739	5.851	15.89	29.92	15.82	1.785	0.176	-1.819	-4.419	-5.581	-6.294	-6.694	-6.896	-7.055
1.739	2.644	6.99	12.85	7.453	1.993	1.306	0.323	-0.945	-1.471	-1.742	-1.904	-1.962	-1.985
2.826	5.201	14.39	27.26	15.89	4.651	3.705	2.392	0.413	-0.318	-0.758	-0.977	-1.032	-1.07
3.008	4.255	11.05	20.38	10.91	1.348	0.024	-1.744	-4.131	-5.347	-6.038	-6.519	-6.936	-7.28
0.991	1.955	5.505	10.5	5.855	1.096	0.725	0.247	-0.485	-0.804	-1.066	-1.159	-1.198	-1.223
0.512	1.677	5.234	10.59	5.957	1.051	0.938	0.781	0.363	0.184	-0.11	-0.15	-0.159	-0.157
1.564	2.345	6.063	10.94	5.987	1.099	0.417	-0.447	-1.574	-2.079	-2.336	-2.504	-2.589	-2.656
0.972	1.949	5.501	10.52	5.923	1.192	0.844	0.391	-0.306	-0.6	-0.847	-0.925	-0.947	-0.954
0.927	1.743	4.798	8.955	4.963	0.925	0.561	0.094	-0.614	-0.931	-1.165	-1.267	-1.322	-1.365
5.482	11.52	34.16	68.63	39.13	9.734	8.075	5.739	1.829	0.373	-0.981	-1.557	-1.821	-2.016
9.85	15.79	43.95	84.12	44.32	4.817	0.696	-4.343	-10.8	-13.65	-15.58	-16.61	-17.12	-17.46
7.088	12.69	35.36	73.16	45.21	19.42	18.13	16.16	12.72	12.45	12.57	12.15	12.16	12.05
5.221	13.46	42.27	87.36	48.27	9.154	7.851	6.055	2.51	1.25	-0.633	-1.06	-1.188	-1.245
4.975	10.2	29.85	58.84	34.16	9.538	7.999	5.708	1.946	0.535	-0.67	-1.252	-1.552	-1.772
3.649	8.727	26.07	53.37	32.41	11.69	11.05	9.898	7.34	6.622	6.061	5.701	5.577	5.477
3.815	6.845	19.33	36.8	19.69	2.688	1.134	-0.811	-3.541	-4.733	-5.624	-6.015	-6.209	-6.361
6.622	12.37	35.65	71.1	40.24	9.681	7.52	4.666	0.324	-1.296	-2.358	-2.986	-3.244	-3.428
3.483	7.69	23.29	50.3	30.06	9.854	9.517	8.818	7.145	6.862	6.884	6.635	6.649	6.659
2.528	3.987	10.54	20.74	12.02	3.173	2.32	1.093	-0.61	-1.295	-1.622	-1.844	-1.926	-2.005
2.625	4.535	12.63	37.06	32.09	30.52	34.51	38.36	42.52	47.98	52.63	53.8	56.65	58.91
5.028	12.04	33.45	60.21	54.63	48.03	44.76	37.69	27.37	22.4	19.05	18.24	18.21	18.62
5.531	10.64	31.12	61.17	32.58	3.594	1.501	-1.085	-4.861	-6.498	-7.972	-8.471	-8.669	-8.802
3.574	9.567	28.6	53.33	29.05	4.853	3.12	0.743	-3.829	-6.165	-8.223	-9.128	-9.896	-10.61
7.154	11.96	33.28	64.09	35.65	7.419	4.658	1.085	-3.891	-5.959	-7.288	-8.07	-8.469	-8.759
4.76	11.53	35.34	72.64	41.77	10.82	9.735	8.061	4.721	3.605	2.237	1.785	1.619	1.516
5.941	11.22	32.58	65.5	37.07	8.857	7.03	4.566	0.731	-0.649	-1.753	-2.339	-2.596	-2.779
5.338	12.1	37.1	75.68	41.64	7.318	5.731	3.623	0.038	-1.306	-2.954	-3.377	-3.492	-3.531
6.735	13.6	40.27	80.55	44.45	8.47	6.224	3.282	-1.336	-3.158	-4.762	-5.428	-5.728	-5.939
7.922	15.72	46.69	92.34	48.72	5.043	1.978	-1.789	-7.321	-9.759	-12.09	-12.89	-13.27	-13.53
2.824	9.559	30.51	64.64	39.6	14.42	14.54	14.15	12.03	11.61	10.56	10.26	10.17	10.13
4.679	12.31	38.69	81.58	47.06	12.55	11.86	10.64	7.694	6.928	5.486	5.105	5.028	5.012
3.507	7.518	19.68	31.29	19.43	8.603	6.593	3.59	-2.26	-5.412	-7.276	-8.836	-10.31	-11.74
1.862	3.809	9.84	16.71	11.51	7.003	6.297	5.059	2.556	1.399	0.813	0.117	-0.508	-1.099
3.644	7.822	20.48	32.47	20.1	8.777	6.664	3.521	-2.596	-5.905	-7.866	-9.493	-11.04	-12.53
1.694	4.191	11.43	18.2	9.854	1.878	0.672	-0.992	-4.203	-6.062	-7.353	-8.183	-8.996	-9.796
2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**

-4.253	-4.731	-5.197	-5.867	-7.131	-9.114	-15.2	-16.57	-21.73	20.829	4.136
-2.659	-2.67	-2.63	-2.649	-2.947	-3.53	-6.681	-6.248	-8.354	10.021	0.91
-0.914	-0.888	-0.824	-0.792	-0.96	-1.338	-3.514	-3.269	-4.76	8.016	1.399
-5.658	-5.786	-5.828	-5.945	-6.434	-7.286	-11.72	-10.91	-13.74	10.185	-0.564
-7.311	-7.421	-7.492	-7.676	-8.22	-9.119	-13.28	-12.77	-15.59	12.441	-1.987
-2.048	-2.033	-2.005	-2.034	-2.214	-2.548	-4.266	-3.95	-5.049	5.513	0.236
-1.163	-1.134	-1.056	-1.027	-1.267	-1.789	-4.728	-4.409	-6.428	11.383	2.171
-7.704	-7.971	-8.141	-8.381	-8.998	-9.991	-14.58	-13.96	-17	8.806	-1.854
-1.278	-1.29	-1.288	-1.31	-1.421	-1.626	-2.645	-2.541	-3.235	4.287	0.153
-0.176	-0.168	-0.15	-0.139	-0.168	-0.241	-0.701	-0.644	-0.949	4.086	0.661
-2.768	-2.818	-2.854	-2.938	-3.174	-3.57	-5.303	-5.189	-6.405	4.708	-0.523
-0.991	-0.982	-0.956	-0.945	-1.016	-1.169	-2.109	-1.939	-2.538	4.296	0.303
-1.437	-1.472	-1.497	-1.55	-1.693	-1.938	-2.968	-2.959	-3.707	3.705	0.003
-2.364	-2.478	-2.53	-2.747	-3.52	-4.876	-11.02	-10.61	-14.94	27.502	5.136
-18.04	-18.22	-18.24	-18.52	-19.72	-21.72	-32.23	-30.28	-37.13	34.445	-4.737
11.82	11.77	11.69	11.4	10.37	8.472	0.291	0.092	-6.302	30.134	15.77
-1.436	-1.399	-1.284	-1.29	-1.741	-2.623	-7.771	-6.766	-10.06	33.901	5.338
-2.145	-2.296	-2.399	-2.676	-3.489	-4.875	-10.55	-10.5	-14.66	23.938	5.123
5.258	5.185	5.135	4.981	4.417	3.371	-0.908	-1.235	-4.575	21.43	9.32
-6.608	-6.706	-6.755	-6.907	-7.422	-8.295	-12.42	-11.98	-14.8	15.004	-1.078
-3.78	-3.857	-3.854	-4.024	-4.822	-6.244	-13.38	-12.43	-17.24	28.781	4.157
6.544	6.562	6.609	6.562	6.186	5.473	1.46	2.338	-0.13	19.858	8.456
-2.174	-2.217	-2.192	-2.211	-2.497	-3.068	-6.101	-5.527	-7.415	8.705	0.973
60.72	62.54	63.75	64.3	64.36	63.88	59.727	60.676	58.054	15.532	38.382
19.15	20.12	21.15	21.93	22.02	21.11	17.735	16.072	12.657	28.071	36.01
-9.067	-9.111	-9.08	-9.185	-9.774	-10.81	-16.41	-15.36	-18.98	24.57	-1.508
-11.54	-12.35	-13.16	-14.21	-15.96	-18.6	-25.26	-28.07	-34.31	21.368	-0.296
-9.241	-9.419	-9.5	-9.784	-10.79	-12.5	-20.55	-19.67	-25.18	26.475	0.638
1.266	1.23	1.246	1.13	0.544	-0.541	-5.729	-5.319	-8.931	28.671	7.382
-3.127	-3.222	-3.243	-3.433	-4.197	-5.529	-12.12	-11.21	-15.63	26.426	4.1
-3.709	-3.644	-3.489	-3.457	-3.883	-4.73	-9.998	-8.786	-12.06	29.678	3.059
-6.326	-6.434	-6.452	-6.654	-7.495	-8.961	-16.2	-15.23	-20.12	32.129	2.664
-14	-14.13	-14.15	-14.39	-15.35	-17	-25.33	-24.01	-29.6	36.585	-2.427
9.948	9.903	9.864	9.729	9.25	8.339	4.907	4.347	1.572	25.318	13.352
4.849	4.901	5.005	4.983	4.529	3.637	-1.303	-0.488	-3.687	31.828	9.935
-13.51	-15.17	-16.92	-19.09	-22.29	-26.97	-36.56	-42.72	-52.62	14.033	2.199
-1.841	-2.524	-3.239	-4.141	-5.508	-7.524	-11.89	-14.55	-19.07	7.524	4.455
-14.38	-16.11	-17.94	-20.21	-23.55	-28.43	-38.44	-44.86	-55.15	14.568	2.067
-10.78	-11.73	-12.74	-13.99	-15.8	-18.4	-23.57	-27.12	-32.66	7.789	-1.756
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**

-7.813	0	0	3.07	4.179	9.069	26.396	51.232	29.706
-3.67	0	0	2.155	2.795	4.661	12.608	23.762	13.577
-1.578	0	0	1.589	2.105	3.737	10.125	19.057	11.093
-7.109	0	0	2.627	3.316	4.823	12.638	23.764	13.21
-8.912	0	0	2.917	3.739	5.851	15.894	29.924	15.823
-2.595	0	0	1.308	1.739	2.644	6.99	12.85	7.453
-2.069	0	0	2.145	2.826	5.201	14.394	27.264	15.885
-9.389	0	0	2.392	3.008	4.255	11.049	20.383	10.911
-1.641	0	0	0.729	0.991	1.955	5.505	10.5	5.855
-0.303	0	0	0.349	0.512	1.677	5.234	10.585	5.957
-3.475	0	0	1.183	1.564	2.345	6.063	10.944	5.987
-1.258	0	0	0.713	0.972	1.949	5.501	10.515	5.923
-1.879	0	0	0.678	0.927	1.743	4.798	8.955	4.963
-4.74	0	0	4.207	5.482	11.519	34.162	68.632	39.127
-21.563	0	0	7.728	9.85	15.793	43.951	84.123	44.316
8.361	0	0	5.496	7.088	12.688	35.357	73.159	45.208
-2.979	0	0	4.045	5.221	13.457	42.268	87.355	48.274
-4.55	0	0	3.742	4.975	10.198	29.851	58.835	34.16
3.399	0	0	2.716	3.649	8.727	26.066	53.366	32.405
-8.177	0	0	2.947	3.815	6.845	19.328	36.797	19.685
-6.285	0	0	5.138	6.622	12.369	35.654	71.101	40.243
5.267	0	0	2.758	3.483	7.69	23.292	50.295	30.055
-3.139	0	0	2.011	2.528	3.987	10.544	20.736	12.017
59.749	0	0	2.099	2.625	4.535	12.627	37.056	32.087
18.929	0	0	3.283	5.028	12.044	33.446	60.21	54.634
-10.905	0	0	4.338	5.531	10.639	31.122	61.172	32.579
-16.391	0	0	2.443	3.574	9.567	28.6	53.33	29.048
-12.235	0	0	5.55	7.154	11.955	33.275	64.089	35.652
-0.628	0	0	3.633	4.76	11.526	35.344	72.637	41.772
-5.472	0	0	4.623	5.941	11.221	32.576	65.495	37.067
-5.175	0	0	4.164	5.338	12.101	37.099	75.681	41.642
-8.909	0	0	5.22	6.735	13.601	40.271	80.552	44.447
-16.898	0	0	6.182	7.922	15.715	46.688	92.34	48.719
8.36	0	0	2.027	2.824	9.559	30.513	64.642	39.6
3.304	0	0	3.609	4.679	12.31	38.686	81.578	47.059
-22.104	0	0	2.148	3.507	7.518	19.677	31.286	19.433
-5.523	0	0	1.159	1.862	3.809	9.84	16.712	11.514
-23.356	0	0	2.231	3.644	7.822	20.475	32.474	20.096
-15.576	0	0	1.009	1.694	4.191	11.434	18.202	9.854
13-25	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**

8.387	6.955	4.867	1.074	-0.561	-1.879	-2.614	-3.138	-3.605
3.466	2.454	1.073	-0.884	-1.666	-2.097	-2.35	-2.448	-2.522
3.23	2.516	1.54	0.109	-0.408	-0.672	-0.817	-0.837	-0.855
2.644	1.33	-0.449	-2.833	-3.912	-4.472	-4.879	-5.147	-5.358
1.785	0.176	-1.819	-4.419	-5.581	-6.294	-6.694	-6.896	-7.055
1.993	1.306	0.323	-0.945	-1.471	-1.742	-1.904	-1.962	-1.985
4.651	3.705	2.392	0.413	-0.318	-0.758	-0.977	-1.032	-1.07
1.348	0.024	-1.744	-4.131	-5.347	-6.038	-6.519	-6.936	-7.28
1.096	0.725	0.247	-0.485	-0.804	-1.066	-1.159	-1.198	-1.223
1.051	0.938	0.781	0.363	0.184	-0.11	-0.15	-0.159	-0.157
1.099	0.417	-0.447	-1.574	-2.079	-2.336	-2.504	-2.589	-2.656
1.192	0.844	0.391	-0.306	-0.6	-0.847	-0.925	-0.947	-0.954
0.925	0.561	0.094	-0.614	-0.931	-1.165	-1.267	-1.322	-1.365
9.734	8.075	5.739	1.829	0.373	-0.981	-1.557	-1.821	-2.016
4.817	0.696	-4.343	-10.804	-13.646	-15.577	-16.611	-17.115	-17.463
19.424	18.13	16.158	12.724	12.449	12.573	12.148	12.161	12.047
9.154	7.851	6.055	2.51	1.25	-0.633	-1.06	-1.188	-1.245
9.538	7.999	5.708	1.946	0.535	-0.67	-1.252	-1.552	-1.772
11.689	11.049	9.898	7.34	6.622	6.061	5.701	5.577	5.477
2.688	1.134	-0.811	-3.541	-4.733	-5.624	-6.015	-6.209	-6.361
9.681	7.52	4.666	0.324	-1.296	-2.358	-2.986	-3.244	-3.428
9.854	9.517	8.818	7.145	6.862	6.884	6.635	6.649	6.659
3.173	2.32	1.093	-0.61	-1.295	-1.622	-1.844	-1.926	-2.005
30.515	34.514	38.362	42.52	47.98	52.625	53.8	56.654	58.907
48.026	44.76	37.687	27.366	22.396	19.053	18.24	18.205	18.616
3.594	1.501	-1.085	-4.861	-6.498	-7.972	-8.471	-8.669	-8.802
4.853	3.12	0.743	-3.829	-6.165	-8.223	-9.128	-9.896	-10.612
7.419	4.658	1.085	-3.891	-5.959	-7.288	-8.07	-8.469	-8.759
10.824	9.735	8.061	4.721	3.605	2.237	1.785	1.619	1.516
8.857	7.03	4.566	0.731	-0.649	-1.753	-2.339	-2.596	-2.779
7.318	5.731	3.623	0.038	-1.306	-2.954	-3.377	-3.492	-3.531
8.47	6.224	3.282	-1.336	-3.158	-4.762	-5.428	-5.728	-5.939
5.043	1.978	-1.789	-7.321	-9.759	-12.087	-12.893	-13.271	-13.534
14.418	14.544	14.146	12.027	11.606	10.564	10.255	10.173	10.126
12.547	11.862	10.635	7.694	6.928	5.486	5.105	5.028	5.012
8.603	6.593	3.59	-2.26	-5.412	-7.276	-8.836	-10.314	-11.736
7.003	6.297	5.059	2.556	1.399	0.813	0.117	-0.508	-1.099
8.777	6.664	3.521	-2.596	-5.905	-7.866	-9.493	-11.038	-12.525
1.878	0.672	-0.992	-4.203	-6.062	-7.353	-8.183	-8.996	-9.796
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**

-4.253	-4.731	-5.197	-5.867	-7.131	-9.114	-15.201	-16.571	-21.732
-2.659	-2.67	-2.63	-2.649	-2.947	-3.53	-6.681	-6.248	-8.354
-0.914	-0.888	-0.824	-0.792	-0.96	-1.338	-3.514	-3.269	-4.76
-5.658	-5.786	-5.828	-5.945	-6.434	-7.286	-11.719	-10.91	-13.74
-7.311	-7.421	-7.492	-7.676	-8.22	-9.119	-13.279	-12.774	-15.593
-2.048	-2.033	-2.005	-2.034	-2.214	-2.548	-4.266	-3.95	-5.049
-1.163	-1.134	-1.056	-1.027	-1.267	-1.789	-4.728	-4.409	-6.428
-7.704	-7.971	-8.141	-8.381	-8.998	-9.991	-14.581	-13.958	-17.001
-1.278	-1.29	-1.288	-1.31	-1.421	-1.626	-2.645	-2.541	-3.235
-0.176	-0.168	-0.15	-0.139	-0.168	-0.241	-0.701	-0.644	-0.949
-2.768	-2.818	-2.854	-2.938	-3.174	-3.57	-5.303	-5.189	-6.405
-0.991	-0.982	-0.956	-0.945	-1.016	-1.169	-2.109	-1.939	-2.538
-1.437	-1.472	-1.497	-1.55	-1.693	-1.938	-2.968	-2.959	-3.707
-2.364	-2.478	-2.53	-2.747	-3.52	-4.876	-11.018	-10.605	-14.94
-18.041	-18.22	-18.242	-18.517	-19.715	-21.723	-32.23	-30.279	-37.131
11.816	11.769	11.687	11.4	10.369	8.472	0.291	0.092	-6.302
-1.436	-1.399	-1.284	-1.29	-1.741	-2.623	-7.771	-6.766	-10.062
-2.145	-2.296	-2.399	-2.676	-3.489	-4.875	-10.554	-10.497	-14.662
5.258	5.185	5.135	4.981	4.417	3.371	-0.908	-1.235	-4.575
-6.608	-6.706	-6.755	-6.907	-7.422	-8.295	-12.417	-11.98	-14.801
-3.78	-3.857	-3.854	-4.024	-4.822	-6.244	-13.378	-12.425	-17.243
6.544	6.562	6.609	6.562	6.186	5.473	1.46	2.338	-0.13
-2.174	-2.217	-2.192	-2.211	-2.497	-3.068	-6.101	-5.527	-7.415
60.72	62.543	63.747	64.303	64.355	63.879	59.727	60.676	58.054
19.146	20.123	21.15	21.932	22.022	21.113	17.735	16.072	12.657
-9.067	-9.111	-9.08	-9.185	-9.774	-10.814	-16.405	-15.359	-18.977
-11.538	-12.347	-13.156	-14.214	-15.959	-18.595	-25.259	-28.069	-34.314
-9.241	-9.419	-9.5	-9.784	-10.786	-12.496	-20.545	-19.667	-25.178
1.266	1.23	1.246	1.13	0.544	-0.541	-5.729	-5.319	-8.931
-3.127	-3.222	-3.243	-3.433	-4.197	-5.529	-12.119	-11.214	-15.626
-3.709	-3.644	-3.489	-3.457	-3.883	-4.73	-9.998	-8.786	-12.055
-6.326	-6.434	-6.452	-6.654	-7.495	-8.961	-16.196	-15.234	-20.115
-13.995	-14.133	-14.154	-14.386	-15.352	-16.995	-25.333	-24.014	-29.596
9.948	9.903	9.864	9.729	9.25	8.339	4.907	4.347	1.572
4.849	4.901	5.005	4.983	4.529	3.637	-1.303	-0.488	-3.687
-13.505	-15.166	-16.919	-19.088	-22.292	-26.966	-36.558	-42.721	-52.616
-1.841	-2.524	-3.239	-4.141	-5.508	-7.524	-11.892	-14.553	-19.069
-14.375	-16.112	-17.944	-20.208	-23.553	-28.433	-38.435	-44.856	-55.154
-10.778	-11.727	-12.741	-13.993	-15.799	-18.399	-23.567	-27.121	-32.656
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**

		Average % Impact					
Social Scie	OCCUPATIONS IN SOCIAL SCIENCES & RELATED	10.392	-0.489	-6.648	0	0	2.513
	Occupations in Social Sciences	7.729	2.246	-7.723	0	0	1.048
	Economists	10.448	4.641	-7.502	0	0	1.268
	Sociologists, anthropologists & rltd	5.287	-0.779	-5.315	0	0	1.29
	Psychologists	0.807	0.279	-0.529	0	0	0.136
	Social sciences, nec	11.243	-1.867	-22.355	0	0	1.787
	Occupations in Social Work & Related Fields	1.66	1.165	0.55	0	0	0.213
	Social workers	0.688	0.493	0.328	0	0	0.076
	Welfare & community services	2.69	2.117	1.497	0	0	0.347
	Social work & rltd fields, nec	2.137	-0.54	-5.323	0	0	0.379
	Occupations in Law & Jurisprudence	25.404	-4.014	-18.05	0	0	6.602
	Judges & magistrates	0.11	0.17	0.157	0	0	0
	Lawyers & notaries	28.287	-4.451	-20.028	0	0	7.349
	Law & jurisprudence, nec	23.15	-3.799	-17.196	0	0	6.013
	Occupations in Library, Museum & Archival Sciences	2.355	0.956	-0.138	0	0	0.382
	Supervisors:library, museum&archiv sci	1.466	1.314	1.219	0	0	0.245
	Librarians, archivists & conservators	2.312	0.808	-0.4	0	0	0.372
	Technicians in lib, museum&archivl sci	2.181	1.327	1.032	0	0	0.452
	Library, museum & archival science, nec	3.771	1.421	-0.684	0	0	0.486
	Other Occupations in Social Sciences & Related Fields	1.096	0.304	-1.015	0	0	0.173
	Educational & vocational counsellors	1.369	0.092	-2	0	0	0.221
	Oth occs in soc sci& rltd fields, nec	0.768	0.555	0.142	0	0	0.116
Religion	RELIGION	3.829	2.847	2.549	0	0	0.456
	Ministers of religion	1.755	2.425	3.222	0	0	0.252
	Nuns & brothers	0.138	0.227	0.312	0	0	0.003
	Religion, nec	8.551	4.25	1.795	0	0	0.941
Teaching	TEACHING & RELATED	0.602	0.616	0.32	0	0	0.063
	University Teaching & Rltd Occupations	0.125	0.185	0.207	0	0	0.002
	University teachers	0.125	0.185	0.207	0	0	0.002
	University teaching & rltd, nec	0.125	0.185	0.207	0	0	0.002
	Elementary & Secondary School Teaching & Related Occupations	0.126	0.191	0.223	0	0	0.002
	Elementary & kindergarten teachers	0.128	0.196	0.237	0	0	0.002
	Secondary school teachers	0.124	0.185	0.207	0	0	0.002

% Impact

3.297	5.052	13.26	24.16	13.41	2.821	1.45	-0.304	-2.658	-3.683	-4.2	-4.559	-4.744	-4.885
1.748	3.961	10.55	17.47	11.11	5.031	4.191	2.866	0.245	-1.068	-1.849	-2.485	-3.057	-3.597
2.142	5.134	13.95	23.96	15.7	7.845	6.966	5.451	2.251	0.73	-0.184	-0.986	-1.701	-2.375
1.75	2.711	6.959	12.13	6.632	1.224	0.415	-0.616	-2.084	-2.792	-3.168	-3.434	-3.618	-3.781
0.251	0.484	1.098	1.671	1.127	0.58	0.478	0.328	0.07	-0.062	-0.133	-0.178	-0.212	-0.24
3.001	6.458	16.72	24.67	14.23	4.274	2.194	-0.726	-5.988	-8.917	-10.64	-11.84	-12.98	-14.09
0.405	0.882	2.16	3.519	2.599	1.542	1.415	1.233	0.895	0.748	0.688	0.662	0.664	0.681
0.17	0.393	0.905	1.46	1.055	0.6	0.571	0.522	0.41	0.365	0.342	0.338	0.343	0.353
0.637	1.376	3.434	5.693	4.32	2.684	2.486	2.207	1.708	1.507	1.445	1.426	1.459	1.517
0.666	1.334	3.218	4.495	2.545	0.745	0.306	-0.291	-1.397	-2.041	-2.423	-2.717	-2.997	-3.266
8.413	12.14	32.3	60.42	32.1	4.247	0.638	-3.802	-9.241	-11.59	-12.81	-13.68	-14.1	-14.41
0.047	0.117	0.151	0.167	0.173	0.174	0.172	0.17	0.169	0.167	0.165	0.164	0.162	0.161
9.359	13.5	35.95	67.35	35.77	4.716	0.704	-4.223	-10.24	-12.84	-14.2	-15.18	-15.67	-16.01
7.685	11.13	29.53	54.92	29.16	3.87	0.539	-3.567	-8.657	-10.88	-12.02	-12.84	-13.26	-13.58
0.593	1.174	3.065	5.276	3.463	1.542	1.365	1.052	0.519	0.302	0.173	0.116	0.095	0.091
0.424	0.807	1.908	2.949	2.353	1.603	1.533	1.385	1.071	0.978	0.972	0.982	1.02	1.071
0.573	1.146	3.018	5.236	3.352	1.402	1.222	0.899	0.37	0.148	0.009	-0.057	-0.089	-0.105
0.686	1.124	2.749	4.607	3.317	1.783	1.641	1.403	0.97	0.835	0.81	0.799	0.837	0.895
0.732	1.813	4.955	8.652	5.632	2.386	2.094	1.607	0.716	0.308	0.02	-0.091	-0.149	-0.182
0.327	0.668	1.557	2.257	1.495	0.743	0.598	0.386	-0.001	-0.202	-0.309	-0.387	-0.452	-0.511
0.406	0.832	1.983	2.869	1.791	0.741	0.522	0.208	-0.354	-0.657	-0.827	-0.952	-1.064	-1.169
0.231	0.471	1.044	1.525	1.142	0.746	0.688	0.596	0.415	0.333	0.298	0.276	0.264	0.258
0.801	1.828	4.875	8.46	6.194	3.388	3.258	3.001	2.395	2.192	2.089	2.096	2.17	2.283
0.482	0.901	2.136	3.409	3.195	2.547	2.556	2.494	2.272	2.258	2.321	2.38	2.487	2.623
0.053	0.127	0.184	0.222	0.222	0.217	0.223	0.227	0.231	0.238	0.248	0.257	0.267	0.277
1.57	3.946	11.06	19.78	13.17	5.704	5.283	4.603	3.132	2.524	2.08	1.987	2.014	2.104
0.151	0.347	0.776	1.213	1.002	0.764	0.727	0.649	0.501	0.437	0.402	0.388	0.384	0.386
0.051	0.121	0.171	0.2	0.192	0.184	0.184	0.185	0.184	0.188	0.193	0.196	0.201	0.205
0.051	0.121	0.171	0.2	0.192	0.184	0.184	0.185	0.184	0.188	0.193	0.196	0.201	0.205
0.051	0.121	0.171	0.2	0.192	0.184	0.184	0.185	0.184	0.188	0.193	0.196	0.201	0.205
0.051	0.122	0.173	0.203	0.196	0.189	0.19	0.191	0.191	0.195	0.201	0.205	0.211	0.216
0.052	0.123	0.174	0.206	0.2	0.193	0.195	0.196	0.197	0.202	0.208	0.214	0.22	0.226
0.051	0.121	0.171	0.199	0.192	0.184	0.184	0.184	0.184	0.187	0.192	0.196	0.2	0.204

									Average % Im	
-5.125	-5.239	-5.316	-5.494	-6	-6.858	-10.52	-10.38	-13	10.392	-0.489
-4.277	-4.903	-5.55	-6.361	-7.62	-9.507	-13.7	-16.2	-20.49	7.729	2.246
-3.226	-4.005	-4.805	-5.803	-7.361	-9.698	-14.9	-18.01	-23.32	10.448	4.641
-4.012	-4.179	-4.344	-4.587	-5.048	-5.768	-8.11	-8.484	-10.4	5.287	-0.779
-0.281	-0.312	-0.345	-0.393	-0.479	-0.62	-0.981	-1.158	-1.517	0.807	0.279
-15.46	-16.76	-18.1	-19.76	-22.29	-26.05	-34.05	-39.01	-47.16	11.243	-1.867
0.665	0.678	0.704	0.726	0.709	0.636	0.328	0.171	-0.146	1.66	1.165
0.355	0.367	0.382	0.396	0.397	0.377	0.269	0.227	0.122	0.688	0.493
1.518	1.572	1.655	1.743	1.779	1.753	1.409	1.266	0.923	2.69	2.117
-3.6	-3.923	-4.276	-4.724	-5.366	-6.311	-8.191	-9.528	-11.59	2.137	-0.54
-14.91	-15.09	-15.14	-15.41	-16.48	-18.26	-27.34	-25.75	-31.68	25.404	-4.014
0.159	0.158	0.157	0.156	0.154	0.153	0.152	0.151	0.15	0.11	0.17
-16.57	-16.76	-16.81	-17.11	-18.29	-20.25	-30.38	-28.55	-35.16	28.287	-4.451
-14.08	-14.29	-14.4	-14.73	-15.79	-17.55	-25.98	-24.79	-30.43	23.15	-3.799
0.064	0.071	0.088	0.09	0.032	-0.097	-0.658	-0.703	-1.121	2.355	0.956
1.1	1.164	1.253	1.357	1.435	1.485	1.285	1.382	1.315	1.466	1.314
-0.141	-0.148	-0.149	-0.173	-0.258	-0.418	-1	-1.082	-1.539	2.312	0.808
0.923	1	1.104	1.222	1.304	1.349	0.942	1.183	1.044	2.181	1.327
-0.251	-0.276	-0.286	-0.316	-0.446	-0.706	-1.613	-1.864	-2.634	3.771	1.421
-0.591	-0.66	-0.729	-0.819	-0.968	-1.204	-1.756	-2.088	-2.663	1.096	0.304
-1.303	-1.424	-1.551	-1.713	-1.967	-2.35	-3.203	-3.727	-4.617	1.369	0.092
0.24	0.234	0.234	0.23	0.205	0.146	-0.048	-0.146	-0.339	0.768	0.555
2.331	2.457	2.623	2.812	2.956	3.05	2.749	2.832	2.671	3.829	2.847
2.723	2.883	3.078	3.309	3.545	3.798	3.93	4.238	4.515	1.755	2.425
0.287	0.299	0.31	0.322	0.334	0.346	0.355	0.369	0.383	0.138	0.227
2.063	2.153	2.301	2.45	2.451	2.26	1.061	0.731	-0.309	8.551	4.25
0.38	0.384	0.389	0.389	0.373	0.332	0.207	0.14	0.017	0.602	0.616
0.207	0.211	0.213	0.215	0.215	0.215	0.209	0.209	0.206	0.125	0.185
0.207	0.211	0.213	0.215	0.215	0.215	0.209	0.209	0.206	0.125	0.185
0.207	0.211	0.213	0.215	0.215	0.215	0.209	0.209	0.206	0.125	0.185
0.219	0.224	0.228	0.231	0.233	0.235	0.231	0.233	0.233	0.126	0.191
0.23	0.236	0.241	0.246	0.25	0.252	0.251	0.255	0.256	0.128	0.196
0.206	0.21	0.212	0.214	0.215	0.214	0.208	0.208	0.206	0.124	0.185

pact

-6.648	0	0	2.513	3.297	5.052	13.262	24.159	13.406
-7.723	0	0	1.048	1.748	3.961	10.545	17.469	11.107
-7.502	0	0	1.268	2.142	5.134	13.949	23.957	15.7
-5.315	0	0	1.29	1.75	2.711	6.959	12.132	6.632
-0.529	0	0	0.136	0.251	0.484	1.098	1.671	1.127
-22.355	0	0	1.787	3.001	6.458	16.718	24.671	14.231
0.55	0	0	0.213	0.405	0.882	2.16	3.519	2.599
0.328	0	0	0.076	0.17	0.393	0.905	1.46	1.055
1.497	0	0	0.347	0.637	1.376	3.434	5.693	4.32
-5.323	0	0	0.379	0.666	1.334	3.218	4.495	2.545
-18.05	0	0	6.602	8.413	12.143	32.295	60.423	32.096
0.157	0	0	0	0.047	0.117	0.151	0.167	0.173
-20.028	0	0	7.349	9.359	13.502	35.951	67.351	35.769
-17.196	0	0	6.013	7.685	11.13	29.528	54.922	29.155
-0.138	0	0	0.382	0.593	1.174	3.065	5.276	3.463
1.219	0	0	0.245	0.424	0.807	1.908	2.949	2.353
-0.4	0	0	0.372	0.573	1.146	3.018	5.236	3.352
1.032	0	0	0.452	0.686	1.124	2.749	4.607	3.317
-0.684	0	0	0.486	0.782	1.813	4.955	8.652	5.632
-1.015	0	0	0.173	0.327	0.668	1.557	2.257	1.495
-2	0	0	0.221	0.406	0.832	1.983	2.869	1.791
0.142	0	0	0.116	0.231	0.471	1.044	1.525	1.142
2.549	0	0	0.456	0.801	1.828	4.875	8.46	6.194
3.222	0	0	0.252	0.482	0.901	2.136	3.409	3.195
0.312	0	0	0.003	0.053	0.127	0.184	0.222	0.222
1.795	0	0	0.941	1.57	3.946	11.059	19.776	13.171
0.32	0	0	0.063	0.151	0.347	0.776	1.213	1.002
0.207	0	0	0.002	0.051	0.121	0.171	0.2	0.192
0.207	0	0	0.002	0.051	0.121	0.171	0.2	0.192
0.207	0	0	0.002	0.051	0.121	0.171	0.2	0.192
0.223	0	0	0.002	0.051	0.122	0.173	0.203	0.196
0.237	0	0	0.002	0.052	0.123	0.174	0.206	0.2
0.207	0	0	0.002	0.051	0.121	0.171	0.199	0.192

% Impact

2.821	1.45	-0.304	-2.658	-3.683	-4.2	-4.559	-4.744	-4.885
5.031	4.191	2.866	0.245	-1.068	-1.849	-2.485	-3.057	-3.597
7.845	6.966	5.451	2.251	0.73	-0.184	-0.986	-1.701	-2.375
1.224	0.415	-0.616	-2.084	-2.792	-3.168	-3.434	-3.618	-3.781
0.58	0.478	0.328	0.07	-0.062	-0.133	-0.178	-0.212	-0.24
4.274	2.194	-0.726	-5.988	-8.917	-10.636	-11.843	-12.982	-14.085
1.542	1.415	1.233	0.895	0.748	0.688	0.662	0.664	0.681
0.6	0.571	0.522	0.41	0.365	0.342	0.338	0.343	0.353
2.684	2.486	2.207	1.708	1.507	1.445	1.426	1.459	1.517
0.745	0.306	-0.291	-1.397	-2.041	-2.423	-2.717	-2.997	-3.266
4.247	0.638	-3.802	-9.241	-11.589	-12.805	-13.678	-14.104	-14.408
0.174	0.172	0.17	0.169	0.167	0.165	0.164	0.162	0.161
4.716	0.704	-4.223	-10.24	-12.84	-14.199	-15.183	-15.666	-16.009
3.87	0.539	-3.567	-8.657	-10.875	-12.02	-12.842	-13.263	-13.577
1.542	1.365	1.052	0.519	0.302	0.173	0.116	0.095	0.091
1.603	1.533	1.385	1.071	0.978	0.972	0.982	1.02	1.071
1.402	1.222	0.899	0.37	0.148	0.009	-0.057	-0.089	-0.105
1.783	1.641	1.403	0.97	0.835	0.81	0.799	0.837	0.895
2.386	2.094	1.607	0.716	0.308	0.02	-0.091	-0.149	-0.182
0.743	0.598	0.386	-0.001	-0.202	-0.309	-0.387	-0.452	-0.511
0.741	0.522	0.208	-0.354	-0.657	-0.827	-0.952	-1.064	-1.169
0.746	0.688	0.596	0.415	0.333	0.298	0.276	0.264	0.258
3.388	3.258	3.001	2.395	2.192	2.089	2.096	2.17	2.283
2.547	2.556	2.494	2.272	2.258	2.321	2.38	2.487	2.623
0.217	0.223	0.227	0.231	0.238	0.248	0.257	0.267	0.277
5.704	5.283	4.603	3.132	2.524	2.08	1.987	2.014	2.104
0.764	0.727	0.649	0.501	0.437	0.402	0.388	0.384	0.386
0.184	0.184	0.185	0.184	0.188	0.193	0.196	0.201	0.205
0.184	0.184	0.185	0.184	0.188	0.193	0.196	0.201	0.205
0.184	0.184	0.185	0.184	0.188	0.193	0.196	0.201	0.205
0.189	0.19	0.191	0.191	0.195	0.201	0.205	0.211	0.216
0.193	0.195	0.196	0.197	0.202	0.208	0.214	0.22	0.226
0.184	0.184	0.184	0.184	0.187	0.192	0.196	0.2	0.204

-5.125	-5.239	-5.316	-5.494	-6	-6.858	-10.52	-10.377	-13.002
-4.277	-4.903	-5.55	-6.361	-7.62	-9.507	-13.698	-16.2	-20.489
-3.226	-4.005	-4.805	-5.803	-7.361	-9.698	-14.9	-18.014	-23.323
-4.012	-4.179	-4.344	-4.587	-5.048	-5.768	-8.11	-8.484	-10.397
-0.281	-0.312	-0.345	-0.393	-0.479	-0.62	-0.981	-1.158	-1.517
-15.46	-16.761	-18.101	-19.764	-22.292	-26.051	-34.052	-39.01	-47.161
0.665	0.678	0.704	0.726	0.709	0.636	0.328	0.171	-0.146
0.355	0.367	0.382	0.396	0.397	0.377	0.269	0.227	0.122
1.518	1.572	1.655	1.743	1.779	1.753	1.409	1.266	0.923
-3.6	-3.923	-4.276	-4.724	-5.366	-6.311	-8.191	-9.528	-11.592
-14.911	-15.085	-15.137	-15.412	-16.48	-18.259	-27.341	-25.745	-31.677
0.159	0.158	0.157	0.156	0.154	0.153	0.152	0.151	0.15
-16.57	-16.762	-16.812	-17.107	-18.287	-20.254	-30.384	-28.554	-35.158
-14.082	-14.292	-14.401	-14.726	-15.793	-17.549	-25.977	-24.79	-30.431
0.064	0.071	0.088	0.09	0.032	-0.097	-0.658	-0.703	-1.121
1.1	1.164	1.253	1.357	1.435	1.485	1.285	1.382	1.315
-0.141	-0.148	-0.149	-0.173	-0.258	-0.418	-1	-1.082	-1.539
0.923	1	1.104	1.222	1.304	1.349	0.942	1.183	1.044
-0.251	-0.276	-0.286	-0.316	-0.446	-0.706	-1.613	-1.864	-2.634
-0.591	-0.66	-0.729	-0.819	-0.968	-1.204	-1.756	-2.088	-2.663
-1.303	-1.424	-1.551	-1.713	-1.967	-2.35	-3.203	-3.727	-4.617
0.24	0.234	0.234	0.23	0.205	0.146	-0.048	-0.146	-0.339
2.331	2.457	2.623	2.812	2.956	3.05	2.749	2.832	2.671
2.723	2.883	3.078	3.309	3.545	3.798	3.93	4.238	4.515
0.287	0.299	0.31	0.322	0.334	0.346	0.355	0.369	0.383
2.063	2.153	2.301	2.45	2.451	2.26	1.061	0.731	-0.309
0.38	0.384	0.389	0.389	0.373	0.332	0.207	0.14	0.017
0.207	0.211	0.213	0.215	0.215	0.215	0.209	0.209	0.206
0.207	0.211	0.213	0.215	0.215	0.215	0.209	0.209	0.206
0.207	0.211	0.213	0.215	0.215	0.215	0.209	0.209	0.206
0.219	0.224	0.228	0.231	0.233	0.235	0.231	0.233	0.233
0.23	0.236	0.241	0.246	0.25	0.252	0.251	0.255	0.256
0.206	0.21	0.212	0.214	0.215	0.214	0.208	0.208	0.206

Elem&secondry school teach&rltd occs,ne	0.125	0.188	0.214	0	0	0.002

Yukon Occupation Impact Govt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
	Average % Impact					
Other Teaching & Related Occupations	2.328	2.157	0.676	0	0	0.284
Community college & vocational teachers	0.439	0.238	-0.14	0	0	0.043
Fine arts teachers, nec	2.277	2.083	1.858	0	0	0.286
Post-secondary school teachers, nec	0.434	0.168	-0.098	0	0	0.073
Teachers of exceptional students, nec	0.375	0.347	0.149	0	0	0.039
Instructors & training officers, nec	9.954	9.498	2	0	0	1.172
Oth teaching & rltd, nec	1.908	2.02	0.667	0	0	0.273
Medicine & MEDICINE & HEALTH	2.808	3.715	4.818	0	0	0.41
Health Diagnosing & Treating Occupations	0.649	0.783	0.916	0	0	0.076
Physicians & surgeons	0.469	0.534	0.589	0	0	0.05
Dentists	0.588	1.207	2.118	0	0	0.003
Veterinarians	0.269	0.483	0.653	0	0	0.03
Osteopaths & chiropractors	1.057	2.214	3.902	0	0	0.002
Health diagnosing & treating, nec	1.591	1.803	1.962	0	0	0.236
Nursing, Therapy & Related Assisting Occupations	1.021	0.783	0.547	0	0	0.099
Supervisors:nursing,therap&rltd ass.occ	0.51	0.386	0.126	0	0	0.069
Nurses, registered, grad&in-training	0.691	0.633	0.333	0	0	0.079
Orderlies	0.421	0.254	-0.146	0	0	0.051
Registered nursing assistants	0.889	1.565	1.667	0	0	0.096
Nursing attendants	1.892	0.865	0.631	0	0	0.116
Audio & speech therapists	0.388	0.679	0.982	0	0	0.044
Physiotherapists	1.091	1.206	1.5	0	0	0.153
Occupational therapists	0.757	0.724	0.892	0	0	0.118
Nursing, therapy & rltd ass.occs, nec	1.149	0.947	0.597	0	0	0.165
Other Occupations in Medicine & Health	10.044	15.829	22.81	0	0	1.637
Pharmacists	24.406	47.202	76.931	0	0	3.996
Dietitians & nutritionists	6.594	6.912	8.999	0	0	1.028
Optometrists	13.442	24.954	37.739	0	0	2.107
Dispensing opticians	24.57	46.856	74.062	0	0	4.049
Radiological technologists&technicians	2.485	0.656	-0.136	0	0	0.229
Medical lab technologists&technicians	4.447	3.634	4.113	0	0	0.741
Denturists	0.947	1.476	1.771	0	0	0.137
Dental hygienists & dental assistants	1.349	0.917	0.623	0	0	0.206
Dental laboratory technicians	0.317	0.422	0.401	0	0	0.046
Respiratory technicians	0.311	0.099	-0.496	0	0	0.032
Oth medicine & health, nec	12.721	21.865	32.638	0	0	2.066

Yukon Occupation Impact Govt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
	Average % Impact					

0.051	0.122	0.171	0.2	0.194	0.186	0.187	0.187	0.187	0.191	0.196	0.2	0.205	0.209

2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
									% Impact				
0.513	1.166	2.969	4.887	3.935	2.856	2.678	2.311	1.624	1.312	1.131	1.05	1.013	1.002
0.119	0.284	0.611	0.905	0.635	0.359	0.322	0.264	0.151	0.094	0.058	0.038	0.021	0.007
0.533	1.153	2.918	4.763	3.791	2.444	2.375	2.21	1.764	1.618	1.567	1.568	1.615	1.687
0.148	0.283	0.585	0.889	0.589	0.291	0.242	0.179	0.085	0.04	0.02	0.006	-0.001	-0.006
0.115	0.257	0.513	0.712	0.577	0.436	0.411	0.367	0.28	0.24	0.224	0.216	0.214	0.214
1.964	4.693	12.65	21.25	17.42	13.17	12.2	10.2	6.794	5.149	4.104	3.693	3.495	3.422
0.494	0.982	2.365	3.979	3.196	2.402	2.33	2.15	1.692	1.527	1.481	1.383	1.312	1.258
0.738	1.394	3.414	5.559	5.068	3.87	3.917	3.873	3.477	3.435	3.505	3.587	3.742	3.939
0.176	0.371	0.831	1.29	1.11	0.847	0.846	0.808	0.716	0.7	0.71	0.727	0.756	0.791
0.129	0.287	0.616	0.935	0.772	0.585	0.582	0.549	0.484	0.471	0.475	0.485	0.502	0.522
0.096	0.266	0.666	1.18	1.236	1.098	1.192	1.223	1.225	1.297	1.372	1.457	1.549	1.654
0.086	0.173	0.337	0.482	0.516	0.479	0.493	0.497	0.471	0.473	0.485	0.496	0.515	0.54
0.137	0.404	1.175	2.204	2.307	2.013	2.197	2.247	2.239	2.374	2.514	2.675	2.847	3.045
0.445	0.848	2.005	3.152	2.733	2.014	1.976	1.88	1.609	1.539	1.551	1.573	1.63	1.709
0.213	0.533	1.313	2.249	1.608	0.908	0.885	0.831	0.674	0.618	0.586	0.58	0.586	0.6
0.16	0.327	0.687	1.005	0.769	0.503	0.473	0.417	0.296	0.243	0.223	0.212	0.209	0.211
0.179	0.4	0.897	1.434	1.103	0.753	0.726	0.67	0.534	0.481	0.462	0.448	0.443	0.443
0.132	0.301	0.617	0.825	0.572	0.374	0.342	0.285	0.165	0.102	0.066	0.048	0.036	0.019
0.212	0.445	0.984	1.826	1.669	1.527	1.578	1.601	1.543	1.579	1.642	1.645	1.659	1.679
0.242	0.857	2.433	4.546	2.84	0.996	0.983	0.941	0.74	0.665	0.561	0.566	0.587	0.617
0.125	0.25	0.477	0.677	0.719	0.664	0.685	0.696	0.669	0.681	0.707	0.73	0.763	0.802
0.295	0.596	1.387	2.208	1.806	1.297	1.286	1.239	1.112	1.097	1.13	1.161	1.212	1.275
0.227	0.432	0.955	1.527	1.215	0.822	0.79	0.737	0.645	0.625	0.637	0.657	0.691	0.734
0.322	0.651	1.503	2.295	1.788	1.196	1.129	1.009	0.752	0.651	0.621	0.614	0.626	0.653
2.824	4.856	11.93	19.18	19.31	16.09	16.43	16.44	15.07	15.12	15.67	16.17	16.99	17.99
7.077	11.76	28.26	44.58	50.21	46.23	47.88	48.86	45.95	47.07	49.74	52.09	55.31	59.03
1.723	3.221	8.142	13.76	11.24	7.625	7.428	7.061	6.273	6.175	6.342	6.544	6.896	7.337
3.807	6.423	15.57	24.55	27.26	24.69	25.52	25.85	24.17	24.53	25.61	26.55	27.92	29.58
7.151	11.84	28.36	44.69	50.26	46.14	47.68	48.54	45.49	46.4	48.87	51.06	54.04	57.55
0.372	1.09	3.206	6.218	3.692	0.953	0.875	0.751	0.422	0.276	0.094	0.056	0.041	0.036
1.154	2.137	5.547	9.613	7.278	4.204	4.082	3.819	3.116	2.949	2.933	2.983	3.134	3.328
0.274	0.448	1.025	1.71	1.873	1.613	1.575	1.522	1.364	1.326	1.34	1.366	1.405	1.471
0.37	0.712	1.745	2.834	2.075	1.198	1.13	0.979	0.688	0.593	0.571	0.576	0.598	0.634
0.101	0.149	0.301	0.581	0.647	0.543	0.475	0.423	0.356	0.327	0.318	0.321	0.329	0.343
0.105	0.242	0.469	0.595	0.413	0.247	0.2	0.132	-0.001	-0.082	-0.131	-0.167	-0.201	-0.234
3.619	6.15	14.99	23.85	25.16	21.88	22.49	22.69	21.02	21.23	22.11	22.9	24.11	25.58
2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
									% Impact				

0.212	0.216	0.219	0.221	0.223	0.223	0.219	0.22	0.218	0.125	0.188
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**
									Average % Im	
0.964	0.966	0.975	0.966	0.882	0.692	0.131	-0.183	-0.748	2.328	2.157
-0.015	-0.032	-0.052	-0.078	-0.122	-0.192	-0.352	-0.453	-0.62	0.439	0.238
1.722	1.807	1.922	2.058	2.159	2.214	1.951	2.003	1.868	2.277	2.083
-0.019	-0.026	-0.033	-0.045	-0.072	-0.117	-0.258	-0.294	-0.415	0.434	0.168
0.208	0.208	0.208	0.204	0.188	0.151	0.049	-0.014	-0.123	0.375	0.347
3.278	3.294	3.332	3.265	2.865	1.985	-0.35	-1.841	-4.307	9.954	9.498
1.162	1.098	1.035	0.948	0.781	0.5	-0.211	-0.627	-1.356	1.908	2.02
4.082	4.322	4.623	4.997	5.37	5.751	5.786	6.3	6.664	2.808	3.715
0.819	0.863	0.918	0.977	1.03	1.075	1.048	1.096	1.101	0.649	0.783
0.539	0.564	0.597	0.631	0.659	0.68	0.653	0.679	0.671	0.469	0.534
1.76	1.89	2.043	2.199	2.363	2.54	2.685	2.909	3.103	0.588	1.207
0.559	0.587	0.62	0.663	0.709	0.76	0.79	0.856	0.92	0.269	0.483
3.244	3.487	3.775	4.066	4.368	4.69	4.942	5.353	5.698	1.057	2.214
1.759	1.853	1.972	2.11	2.229	2.325	2.223	2.299	2.269	1.591	1.803
0.602	0.617	0.638	0.654	0.649	0.611	0.439	0.359	0.183	1.021	0.783
0.205	0.207	0.21	0.207	0.186	0.136	-0.023	-0.096	-0.255	0.51	0.386
0.432	0.431	0.432	0.427	0.4	0.339	0.156	0.05	-0.145	0.691	0.633
-0.002	-0.02	-0.04	-0.069	-0.12	-0.204	-0.388	-0.518	-0.722	0.421	0.254
1.688	1.711	1.741	1.77	1.779	1.76	1.619	1.562	1.418	0.889	1.565
0.633	0.667	0.71	0.752	0.774	0.764	0.605	0.557	0.406	1.892	0.865
0.835	0.881	0.936	1.002	1.072	1.146	1.194	1.293	1.387	0.388	0.679
1.326	1.404	1.497	1.598	1.691	1.775	1.764	1.832	1.843	1.091	1.206
0.766	0.816	0.877	0.946	1.011	1.073	1.059	1.147	1.179	0.757	0.724
0.66	0.692	0.732	0.765	0.765	0.718	0.472	0.352	0.093	1.149	0.947
18.76	19.94	21.43	23.31	25.31	27.5	28.426	31.477	34.172	10.044	15.829
62	66.22	71.57	78.28	85.83	94.78	100.63	112.7	124.6	24.406	47.202
7.672	8.187	8.804	9.499	10.17	10.83	11.045	11.654	12.042	6.594	6.912
30.88	32.8	35.22	38.26	41.59	45.4	47.659	52.745	57.7	13.442	24.954
60.2	63.99	68.85	75.05	82	90.31	95.337	106.19	117.04	24.57	46.856
0.011	0.009	0.013	0.012	-0.027	-0.113	-0.511	-0.547	-0.852	2.485	0.656
3.464	3.711	4.03	4.419	4.776	5.104	4.711	5.37	5.509	4.447	3.634
1.516	1.584	1.671	1.788	1.908	2.046	2.089	2.224	2.375	0.947	1.476
0.655	0.703	0.765	0.818	0.833	0.8	0.482	0.462	0.203	1.349	0.917
0.356	0.375	0.396	0.422	0.445	0.466	0.466	0.462	0.463	0.317	0.422
-0.275	-0.315	-0.361	-0.419	-0.503	-0.625	-0.863	-1.048	-1.322	0.311	0.099
26.72	28.43	30.57	33.28	36.21	39.48	41.183	45.65	49.813	12.721	21.865
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**
									Average % Im	

0.214	0	0	0.002	0.051	0.122	0.171	0.2	0.194
13-25 **act**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
0.676	0	0	0.284	0.513	1.166	2.969	4.887	3.935
-0.14	0	0	0.043	0.119	0.284	0.611	0.905	0.635
1.858	0	0	0.286	0.533	1.153	2.918	4.763	3.791
-0.098	0	0	0.073	0.148	0.283	0.585	0.889	0.589
0.149	0	0	0.039	0.115	0.257	0.513	0.712	0.577
2	0	0	1.172	1.964	4.693	12.652	21.253	17.42
0.667	0	0	0.273	0.494	0.982	2.365	3.979	3.196
4.818	0	0	0.41	0.738	1.394	3.414	5.559	5.068
0.916	0	0	0.076	0.176	0.371	0.831	1.29	1.11
0.589	0	0	0.05	0.129	0.287	0.616	0.935	0.772
2.118	0	0	0.003	0.096	0.266	0.666	1.18	1.236
0.653	0	0	0.03	0.086	0.173	0.337	0.482	0.516
3.902	0	0	0.002	0.137	0.404	1.175	2.204	2.307
1.962	0	0	0.236	0.445	0.848	2.005	3.152	2.733
0.547	0	0	0.099	0.213	0.533	1.313	2.249	1.608
0.126	0	0	0.069	0.16	0.327	0.687	1.005	0.769
0.333	0	0	0.079	0.179	0.4	0.897	1.434	1.103
-0.146	0	0	0.051	0.132	0.301	0.617	0.825	0.572
1.667	0	0	0.096	0.212	0.445	0.984	1.826	1.669
0.631	0	0	0.116	0.242	0.857	2.433	4.546	2.84
0.982	0	0	0.044	0.125	0.25	0.477	0.677	0.719
1.5	0	0	0.153	0.295	0.596	1.387	2.208	1.806
0.892	0	0	0.118	0.227	0.432	0.955	1.527	1.215
0.597	0	0	0.165	0.322	0.651	1.503	2.295	1.788
22.81	0	0	1.637	2.824	4.856	11.926	19.182	19.31
76.931	0	0	3.996	7.077	11.755	28.257	44.579	50.207
8.999	0	0	1.028	1.723	3.221	8.142	13.762	11.238
37.739	0	0	2.107	3.807	6.423	15.565	24.545	27.262
74.062	0	0	4.049	7.151	11.335	28.362	44.69	50.262
-0.136	0	0	0.229	0.372	1.09	3.206	6.218	3.692
4.113	0	0	0.741	1.154	2.137	5.547	9.613	7.278
1.771	0	0	0.137	0.274	0.448	1.025	1.71	1.873
0.623	0	0	0.206	0.37	0.712	1.745	2.834	2.075
0.401	0	0	0.046	0.101	0.149	0.301	0.581	0.647
-0.496	0	0	0.032	0.105	0.242	0.469	0.595	0.413
32.638	0	0	2.066	3.619	6.15	14.987	23.846	25.16
13-25 **act**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**

0.186	0.187	0.187	0.187	0.191	0.196	0.2	0.205	0.209

2008	2009	2010	2011	2012	2013	2014	2015	2016
				% Impact				
2.856	2.678	2.311	1.624	1.312	1.131	1.05	1.013	1.002
0.359	0.322	0.264	0.151	0.094	0.058	0.038	0.021	0.007
2.444	2.375	2.21	1.764	1.618	1.567	1.568	1.615	1.687
0.291	0.242	0.179	0.085	0.04	0.02	0.006	-0.001	-0.006
0.436	0.411	0.367	0.28	0.24	0.224	0.216	0.214	0.214
13.169	12.195	10.195	6.794	5.149	4.104	3.693	3.495	3.422
2.402	2.33	2.15	1.692	1.527	1.481	1.383	1.312	1.258
3.87	3.917	3.873	3.477	3.435	3.505	3.587	3.742	3.939
0.847	0.846	0.808	0.716	0.7	0.71	0.727	0.756	0.791
0.585	0.582	0.549	0.484	0.471	0.475	0.485	0.502	0.522
1.098	1.192	1.223	1.225	1.297	1.372	1.457	1.549	1.654
0.479	0.493	0.497	0.471	0.473	0.485	0.496	0.515	0.54
2.013	2.197	2.247	2.239	2.374	2.514	2.675	2.847	3.045
2.014	1.976	1.88	1.609	1.539	1.551	1.573	1.63	1.709
0.908	0.885	0.831	0.674	0.618	0.586	0.58	0.586	0.6
0.503	0.473	0.417	0.296	0.243	0.223	0.212	0.209	0.211
0.753	0.726	0.67	0.534	0.481	0.462	0.448	0.443	0.443
0.374	0.342	0.285	0.165	0.102	0.066	0.048	0.036	0.019
1.527	1.578	1.601	1.543	1.579	1.642	1.645	1.659	1.679
0.996	0.983	0.941	0.74	0.665	0.561	0.566	0.587	0.617
0.664	0.685	0.696	0.669	0.681	0.707	0.73	0.763	0.802
1.297	1.286	1.239	1.112	1.097	1.13	1.161	1.212	1.275
0.822	0.79	0.737	0.645	0.625	0.637	0.657	0.691	0.734
1.196	1.129	1.009	0.752	0.651	0.621	0.614	0.626	0.653
16.085	16.427	16.444	15.067	15.115	15.666	16.168	16.985	17.991
46.234	47.876	48.864	45.95	47.074	49.742	52.094	55.309	59.028
7.625	7.428	7.061	6.273	6.175	6.342	6.544	6.896	7.337
24.694	25.519	25.848	24.174	24.529	25.613	26.554	27.923	29.581
46.142	47.676	48.544	45.493	46.404	48.87	51.061	54.039	57.547
0.953	0.875	0.751	0.422	0.276	0.094	0.056	0.041	0.036
4.204	4.082	3.819	3.116	2.949	2.933	2.983	3.134	3.328
1.613	1.575	1.522	1.364	1.326	1.34	1.366	1.405	1.471
1.198	1.13	0.979	0.688	0.593	0.571	0.576	0.598	0.634
0.543	0.475	0.423	0.356	0.327	0.318	0.321	0.329	0.343
0.247	0.2	0.132	-0.001	-0.082	-0.131	-0.167	-0.201	-0.234
21.884	22.489	22.69	21.018	21.228	22.114	22.899	24.112	25.582

2008	2009	2010	2011	2012	2013	2014	2015	2016
				% Impact				

0.212	0.216	0.219	0.221	0.223	0.223	0.219	0.22	0.218
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
0.964	0.966	0.975	0.966	0.882	0.692	0.131	-0.183	-0.748
-0.015	-0.032	-0.052	-0.078	-0.122	-0.192	-0.352	-0.453	-0.62
1.722	1.807	1.922	2.058	2.159	2.214	1.951	2.003	1.868
-0.019	-0.026	-0.033	-0.045	-0.072	-0.117	-0.258	-0.294	-0.415
0.208	0.208	0.208	0.204	0.188	0.151	0.049	-0.014	-0.123
3.278	3.294	3.332	3.265	2.865	1.985	-0.35	-1.841	-4.307
1.162	1.098	1.035	0.948	0.781	0.5	-0.211	-0.627	-1.356
4.082	4.322	4.623	4.997	5.37	5.751	5.786	6.3	6.664
0.819	0.863	0.918	0.977	1.03	1.075	1.048	1.096	1.101
0.539	0.564	0.597	0.631	0.659	0.68	0.653	0.679	0.671
1.76	1.89	2.043	2.199	2.363	2.54	2.685	2.909	3.103
0.559	0.587	0.62	0.663	0.709	0.76	0.79	0.856	0.92
3.244	3.487	3.775	4.066	4.368	4.69	4.942	5.353	5.698
1.759	1.853	1.972	2.11	2.229	2.325	2.223	2.299	2.269
0.602	0.617	0.638	0.654	0.649	0.611	0.439	0.359	0.183
0.205	0.207	0.21	0.207	0.186	0.136	-0.023	-0.096	-0.255
0.432	0.431	0.432	0.427	0.4	0.339	0.156	0.05	-0.145
-0.002	-0.02	-0.04	-0.069	-0.12	-0.204	-0.388	-0.518	-0.722
1.688	1.711	1.741	1.77	1.779	1.76	1.619	1.562	1.418
0.633	0.667	0.71	0.752	0.774	0.764	0.605	0.557	0.406
0.835	0.881	0.936	1.002	1.072	1.146	1.194	1.293	1.387
1.326	1.404	1.497	1.598	1.691	1.775	1.764	1.832	1.843
0.766	0.816	0.877	0.946	1.011	1.073	1.059	1.147	1.179
0.66	0.692	0.732	0.765	0.765	0.718	0.472	0.352	0.093
18.759	19.94	21.429	23.309	25.308	27.503	28.426	31.477	34.172
61.999	66.224	71.568	78.278	85.833	94.775	100.634	112.698	124.597
7.672	8.187	8.804	9.499	10.166	10.83	11.045	11.654	12.042
30.881	32.798	35.217	38.264	41.592	45.402	47.659	52.745	57.7
60.202	63.991	68.853	75.053	82.002	90.312	95.337	106.187	117.038
0.011	0.009	0.013	0.012	-0.027	-0.113	-0.511	-0.547	-0.852
3.464	3.711	4.03	4.419	4.776	5.104	4.711	5.37	5.509
1.516	1.584	1.671	1.788	1.908	2.046	2.089	2.224	2.375
0.655	0.703	0.765	0.818	0.833	0.8	0.482	0.462	0.203
0.356	0.375	0.396	0.422	0.445	0.466	0.466	0.462	0.463
-0.275	-0.315	-0.361	-0.419	-0.503	-0.625	-0.863	-1.048	-1.322
26.72	28.425	30.568	33.275	36.205	39.483	41.183	45.65	49.813
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**

Artistic, Lite	ARTISTIC, LITERARY, RECREATIONAL & RELATED	23.812	13.5	3.452	0	0	2.972
	Occupations in Fine & Commercial Art, Photography & Related Fields	31.978	11.32	-7.713	0	0	3.728
	Painters, sculptors & rltd artists	31.317	17.716	17.604	0	0	2.355
	Product & interior designers	37.651	14.77	-2.73	0	0	3.922
	Advertising & illustrating artists	28.961	6.737	-17.142	0	0	3.761
	Photographers & camera operators	23.773	19.827	17.049	0	0	2.948
	Occs in fine&comm art, photo&rltd, nec	28.144	7.379	-9.413	0	0	5.286
	Occupations in Performing & Audio-visual Arts	18.895	21.527	21.187	0	0	2.055
	Producers&directors, perform & av arts	19.915	22.374	20.798	0	0	2.1
	Conductors, composers & arrangers	23.767	13.378	12.197	0	0	2.083
	Musicians & singers	8.547	8.788	10.098	0	0	1.186
	Occs rltd to music & mus entertain, nec	17	18.137	21.172	0	0	2.358
	Dancers & choreographers	14.785	15.081	17.223	0	0	2.07
	Actors/actresses	14.66	10.504	4.387	0	0	1.787
	Radio & television announcers	22.386	28.758	29.669	0	0	2.375
	Performing & audio-visual arts, nec	17.959	16.228	15.982	0	0	1.815
	Occupations in Writing	23.664	13.3	3.276	0	0	3.345
	Writers & editors	29.169	19.663	14.887	0	0	4.059
	Translators & interpreters	9.661	-2.799	-25.149	0	0	1.557
	Writing, nec	21.547	13.491	-1.98	0	0	3.035
	Occupations in Sports & Recreation	10.09	10.283	12.656	0	0	1.522
	Supervisors: sports & recreation	9.165	8.017	9.192	0	0	1.119
	Coaches,trainers&instructors,sports&rec	9.339	9.551	12.043	0	0	1.462
	Referees & rltd officials	1.604	1.647	1.716	0	0	0.196
	Athletes	2.787	3.005	3.505	0	0	0.308
	Attendants, sports & recreation	6.085	6.242	6.924	0	0	0.867
	Sports & recreation, nec	18.827	20.223	25.759	0	0	2.788
Clerical	CLERICAL & RELATED	18.846	11.367	8.898	0	0	2.056
	Stenographic & Typing Occupations	20.202	4.148	-2.608	0	0	2.282
	Supervisors:Stenographic & typing	19.383	3.256	-3.014	0	0	1.383
	Secretaries & stenographers	20.79	4.219	-2.564	0	0	2.35
	Typists & clerk-typists	10.585	3.057	-3.281	0	0	1.26
	Bookkeeping, Account-recording & Related Occupations	24.309	18.159	20.359	0	0	2.625
	Supervisors:book, acct-record&rltd occs	19.603	15.055	15.695	0	0	2.073
	Bookkeepers & accounting clerks	28.683	10.219	6.02	0	0	2.438
	Cashiers & tellers	21.006	34.896	52.293	0	0	3.269
	Insurance, bank & oth finance clerks	7.751	6.269	0.836	0	0	1.296
	Statistical clerks	5.893	3.864	0.826	0	0	0.7
	Bookkeep, acct-recording&rltd occs, nec	11.928	7.242	0.006	0	0	1.159

5.073	11.86	32.22	52.39	36.65	19.26	17.93	14.81	8.852	6.697	5.664	5.245	5.142	5.252
6.342	15.89	43.81	72.35	47.14	20.13	17.59	13.22	4.751	1.133	-1.017	-1.928	-2.47	-2.83
3.969	13.1	39.81	75.5	49.3	19.65	19.72	19.08	15.55	14.58	13.28	13.53	14.12	14.87
6.414	16.88	49.12	89.07	57.02	21.44	19.76	16.94	9.537	6.258	3.532	2.566	2.058	1.809
6.644	16.06	42.07	62.51	40.62	18.51	14.73	8.586	-1.608	-6.046	-8.061	-9.111	-9.868	-10.53
4.967	11.55	31.53	51.47	38.52	23.81	23.57	21.02	15.95	14.72	14.35	14.44	14.84	15.5
7.906	14.79	38.26	61.33	39.7	17.02	13.73	8.68	0.519	-2.789	-4.144	-4.929	-5.276	-5.465
3.839	8.252	23.77	40.99	33.49	22.9	24.02	22.52	19.2	18.89	18.92	18.8	19.05	19.81
3.976	8.675	25.29	43.23	35.09	23.83	25.2	23.5	19.77	19.44	19.42	19.17	19.31	20
3.496	10.25	30.63	56.52	37.21	15.78	15.63	14.23	11	10.22	9.386	9.522	9.916	10.51
2.158	4.314	10.82	17.62	14.94	10.66	9.927	8.965	7.446	6.921	7.009	7.2	7.624	8.173
4.298	8.565	21.46	35.05	30.17	22.2	20.61	18.47	15.21	14	14.18	14.62	15.54	16.76
3.745	7.469	18.7	30.51	25.86	18.57	17.16	15.36	12.61	11.58	11.7	12.05	12.8	13.79
3.327	7.252	19.6	31.46	23.84	14.38	13.57	11.27	7.319	5.937	5.453	5.13	5.088	5.295
4.45	9.342	27.74	48.5	40.64	28.96	31.38	30.02	26.54	26.76	27.04	26.83	27.1	28.09
3.291	7.849	22.59	40.53	30.67	18.02	18.18	16.97	14.24	13.66	13.35	13.37	13.71	14.39
5.533	12.61	33.01	50.49	35.39	19.97	18.31	14.58	7.993	5.723	4.93	4.679	4.676	4.788
6.67	15.33	40.15	61.92	44.59	26.51	25.01	20.96	13.89	11.96	11.65	11.9	12.47	13.16
2.654	5.729	14.71	21.09	11.86	3.294	1.244	-1.592	-6.853	-9.925	-11.8	-13.14	-14.46	-15.74
5.154	11.23	29.83	45.79	32.89	19.37	18.43	15.05	8.514	6.066	4.917	4.061	3.435	3.069
2.565	4.899	12.51	21.11	17.21	11.61	11.19	10.52	9.196	8.934	9.105	9.349	9.814	10.41
1.937	4.256	11.45	20.14	15.35	9.1	8.775	8.265	7.134	6.846	6.794	6.938	7.254	7.668
2.403	4.482	11.5	19.6	15.79	10.47	10.24	9.79	8.702	8.582	8.774	9.008	9.434	9.978
0.407	0.848	2.038	3.243	2.749	1.978	1.839	1.677	1.424	1.33	1.335	1.352	1.406	1.476
0.665	1.378	3.456	5.734	5.046	3.624	3.343	3.051	2.593	2.426	2.467	2.533	2.678	2.867
1.56	3.077	7.667	12.46	10.53	7.502	7.016	6.37	5.347	4.997	5.039	5.14	5.396	5.731
4.819	9.268	23.47	39.14	32.89	23.35	22.23	20.62	17.78	17.07	17.5	18.1	19.16	20.52
3.214	8.194	23.83	44.57	30.12	13.68	13.22	12.17	9.348	8.386	7.566	7.513	7.746	8.104
3.163	8.442	25.78	50.79	29.24	6.999	6.128	4.799	1.995	0.828	-0.5	-0.844	-0.992	-1.077
2.054	7.846	25.18	50.06	28.15	5.287	4.798	4.012	1.653	0.561	-0.976	-1.266	-1.429	-1.549
3.246	8.663	26.5	52.32	30.07	7.11	6.224	4.877	2.035	0.857	-0.502	-0.845	-0.987	-1.063
1.914	4.845	13.96	25.45	15.49	5.321	4.662	3.574	1.372	0.371	-0.421	-0.78	-1.038	-1.257
4.22	10.51	30.34	56.64	40.15	20	19.92	19.21	16.17	15.42	14.8	15.11	15.84	16.76
3.33	8.487	24.5	45.76	32.35	16.42	16.48	15.95	13.47	12.87	12.35	12.49	12.96	13.56
3.597	11.59	36.33	72.18	43.41	12.69	12.22	11.21	8.047	6.907	5.207	5.106	5.305	5.619
5.769	10.25	25.16	40.29	41.06	35.42	36.18	36.21	33.22	33.36	34.83	36.26	38.32	40.76
1.996	4.171	10.72	16.55	11.94	7.751	7.614	6.812	4.909	4.033	3.527	3.104	2.75	2.382
1.278	3.061	8.057	12.77	9.302	5.599	5.142	4.21	2.511	1.868	1.646	1.51	1.456	1.437
1.889	5.318	15.36	28.15	19.13	9.904	9.244	7.923	5.199	3.979	3.053	2.623	2.345	2.148

5.131	5.317	5.694	5.997	5.651	4.508	-0.554	-1.82	-5.894	23.812	13.5
-3.491	-3.838	-3.907	-4.048	-5.213	-7.663	-16.48	-19.23	-26.6	31.978	11.32
15.36	16.22	17.39	18.83	20.12	21.25	20.031	21.561	21.894	31.317	17.716
1.039	0.785	0.708	0.59	-0.382	-2.567	-10.89	-13.5	-20.49	37.651	14.77
-11.36	-12.05	-12.36	-12.77	-14.49	-17.75	-28.42	-32.01	-41.03	28.961	6.737
15.99	16.86	17.96	19.04	19.7	19.88	17.646	18.181	17.171	23.773	19.827
-5.915	-6.011	-5.824	-5.713	-6.615	-8.69	-17.96	-19.03	-26.02	28.144	7.379
20.32	21.32	22.2	22.73	23.03	23.02	22.088	22.369	21.934	18.895	21.527
20.47	21.42	22.2	22.54	22.58	22.21	20.661	20.713	19.759	19.915	22.374
10.95	11.66	12.53	13.42	14.09	14.56	13.379	14.36	14.176	23.767	13.378
8.501	9.087	9.839	10.72	11.55	12.37	12.556	13.199	13.646	8.547	8.788
17.53	18.87	20.53	22.5	24.4	26.38	27.073	28.729	30.076	17	18.137
14.39	15.46	16.8	18.38	19.88	21.39	21.737	22.86	23.625	14.785	15.081
5.304	5.576	5.917	6.113	5.897	5.181	2.082	1.294	-1.287	14.66	10.504
28.76	30.1	31.11	31.49	31.64	31.41	30.753	30.969	30.664	22.386	28.758
14.78	15.58	16.4	17.13	17.71	18.11	17.553	17.973	17.849	17.959	16.228
4.754	4.954	5.456	5.951	5.723	4.656	-0.449	-1.518	-5.427	23.664	13.3
13.77	14.69	16.09	17.66	18.56	18.78	14.947	15.79	13.901	29.169	19.663
-17.34	-18.88	-20.51	-22.53	-25.45	-29.7	-38.12	-43.91	-52.76	9.661	-2.799
2.39	2.017	1.636	0.89	-0.684	-3.411	-9.883	-13.36	-19.46	21.547	13.491
10.83	11.52	12.35	13.29	14.2	15.1	15.336	16.144	16.665	10.09	10.283
7.938	8.408	8.989	9.655	10.28	10.89	10.978	11.491	11.798	9.165	8.017
10.39	11.03	11.79	12.64	13.46	14.26	14.448	15.201	15.639	9.339	9.551
1.509	1.582	1.678	1.79	1.893	1.988	2.014	2.062	2.11	1.604	1.647
2.975	3.168	3.405	3.678	3.941	4.203	4.343	4.512	4.701	2.787	3.005
5.919	6.278	6.745	7.291	7.802	8.294	8.38	8.75	9	6.085	6.242
21.5	23.06	24.94	27.12	29.26	31.51	32.449	34.54	36.224	18.827	20.223
8.263	8.714	9.334	10.06	10.58	10.83	8.881	9.498	8.587	18.846	11.367
-1.29	-1.335	-1.321	-1.372	-1.756	-2.52	-5.962	-6.08	-8.638	20.202	4.148
-1.78	-1.896	-1.967	-2.082	-2.452	-3.148	-5.691	-6.258	-8.369	19.383	3.256
-1.269	-1.303	-1.274	-1.312	-1.684	-2.436	-5.925	-5.983	-8.546	20.79	4.219
-1.583	-1.814	-2.016	-2.295	-2.87	-3.827	-6.586	-7.635	-10.16	10.585	3.057
17.37	18.46	19.87	21.6	23.25	24.8	23.838	26.184	27.163	24.309	18.159
13.92	14.64	15.6	16.78	17.84	18.72	17.487	18.838	19.01	19.603	15.055
5.745	6.147	6.697	7.313	7.673	7.74	5.192	5.935	4.596	28.683	10.219
42.64	45.49	49.08	53.6	58.53	64	66.926	73.969	81.043	21.006	34.896
1.897	1.537	1.309	1.131	0.773	0.17	-1.34	-2.395	-3.87	7.751	6.269
1.386	1.389	1.475	1.568	1.457	1.111	-0.507	-0.907	-2.231	5.893	3.864
1.841	1.657	1.497	1.233	0.623	-0.459	-3.352	-4.888	-7.751	11.928	7.242

3.452	0	0	2.972	5.073	11.863	32.224	52.393	36.648
-7.713	0	0	3.728	6.342	15.885	43.807	72.346	47.138
17.604	0	0	2.355	3.969	13.099	39.814	75.504	49.302
-2.73	0	0	3.922	6.414	16.881	49.116	89.069	57.016
-17.142	0	0	3.761	6.644	16.064	42.07	62.508	40.624
17.049	0	0	2.948	4.967	11.551	31.531	51.468	38.516
-9.413	0	0	5.286	7.906	14.79	38.256	61.334	39.7
21.187	0	0	2.055	3.839	8.252	23.771	40.988	33.491
20.798	0	0	2.1	3.976	8.675	25.285	43.231	35.087
12.197	0	0	2.083	3.496	10.249	30.626	56.522	37.206
10.098	0	0	1.186	2.158	4.314	10.816	17.615	14.943
21.172	0	0	2.358	4.298	8.565	21.455	35.046	30.165
17.223	0	0	2.07	3.745	7.469	18.703	30.514	25.856
4.387	0	0	1.787	3.327	7.252	19.602	31.456	23.839
29.669	0	0	2.375	4.45	9.342	27.738	48.504	40.635
15.982	0	0	1.815	3.291	7.849	22.59	40.527	30.665
3.276	0	0	3.345	5.533	12.612	33.006	50.486	35.394
14.887	0	0	4.059	6.67	15.331	40.149	61.921	44.586
-25.149	0	0	1.557	2.654	5.729	14.714	21.091	11.863
-1.98	0	0	3.035	5.154	11.234	29.834	45.791	32.885
12.656	0	0	1.522	2.565	4.899	12.51	21.107	17.205
9.192	0	0	1.119	1.937	4.256	11.452	20.138	15.353
12.043	0	0	1.462	2.403	4.482	11.496	19.597	15.792
1.716	0	0	0.196	0.407	0.848	2.038	3.243	2.749
3.505	0	0	0.308	0.665	1.378	3.456	5.734	5.046
6.924	0	0	0.867	1.56	3.077	7.667	12.462	10.525
25.759	0	0	2.788	4.819	9.268	23.467	39.141	32.891
8.898	0	0	2.056	3.214	8.194	23.832	44.57	30.12
-2.608	0	0	2.282	3.163	8.442	25.78	50.79	29.239
-3.014	0	0	1.383	2.054	7.846	25.177	50.055	28.145
-2.564	0	0	2.35	3.246	8.663	26.498	52.324	30.072
-3.281	0	0	1.26	1.914	4.845	13.956	25.454	15.492
20.359	0	0	2.625	4.22	10.509	30.337	56.635	40.146
15.695	0	0	2.073	3.33	8.487	24.499	45.764	32.352
6.02	0	0	2.438	3.597	11.59	36.334	72.181	43.414
52.293	0	0	3.269	5.769	10.247	25.161	40.292	41.056
0.836	0	0	1.296	1.996	4.171	10.721	16.546	11.937
0.826	0	0	0.7	1.278	3.061	8.057	12.773	9.302
0.006	0	0	1.159	1.889	5.318	15.357	28.145	19.126

19.256	17.933	14.805	8.852	6.697	5.664	5.245	5.142	5.252
20.131	17.586	13.215	4.751	1.133	-1.017	-1.928	-2.47	-2.83
19.646	19.723	19.082	15.553	14.582	13.281	13.534	14.116	14.871
21.442	19.761	16.935	9.537	6.258	3.532	2.566	2.058	1.809
18.509	14.725	8.586	-1.608	-6.046	-8.061	-9.111	-9.868	-10.53
23.813	23.568	21.017	15.946	14.722	14.353	14.441	14.843	15.499
17.021	13.725	8.68	0.519	-2.789	-4.144	-4.929	-5.276	-5.465
22.9	24.017	22.517	19.198	18.888	18.922	18.796	19.047	19.813
23.832	25.203	23.5	19.773	19.439	19.419	19.169	19.305	19.997
15.782	15.633	14.23	10.998	10.215	9.386	9.522	9.916	10.507
10.657	9.927	8.965	7.446	6.921	7.009	7.2	7.624	8.173
22.195	20.608	18.473	15.209	14	14.176	14.617	15.536	16.762
18.567	17.159	15.361	12.609	11.583	11.702	12.046	12.799	13.791
14.384	13.572	11.269	7.319	5.937	5.453	5.13	5.088	5.295
28.956	31.376	30.021	26.539	26.764	27.041	26.834	27.097	28.088
18.018	18.184	16.967	14.244	13.655	13.345	13.365	13.711	14.389
19.966	18.305	14.578	7.993	5.723	4.93	4.679	4.676	4.788
26.508	25.014	20.964	13.885	11.962	11.65	11.9	12.468	13.164
3.294	1.244	-1.592	-6.853	-9.925	-11.802	-13.14	-14.455	-15.743
19.369	18.426	15.051	8.514	6.066	4.917	4.061	3.435	3.069
11.607	11.188	10.519	9.196	8.934	9.105	9.349	9.814	10.41
9.1	8.775	8.265	7.134	6.846	6.794	6.938	7.254	7.668
10.465	10.244	9.79	8.702	8.582	8.774	9.008	9.434	9.978
1.978	1.839	1.677	1.424	1.33	1.335	1.352	1.406	1.476
3.624	3.343	3.051	2.593	2.426	2.467	2.533	2.678	2.867
7.502	7.016	6.37	5.347	4.997	5.039	5.14	5.396	5.731
23.348	22.229	20.618	17.783	17.071	17.498	18.102	19.163	20.517
13.678	13.223	12.167	9.348	8.386	7.566	7.513	7.746	8.104
6.999	6.128	4.799	1.995	0.828	-0.5	-0.844	-0.992	-1.077
5.287	4.798	4.012	1.653	0.561	-0.976	-1.266	-1.429	-1.549
7.11	6.224	4.877	2.035	0.857	-0.502	-0.845	-0.987	-1.063
5.321	4.662	3.574	1.372	0.371	-0.421	-0.78	-1.038	-1.257
20	19.921	19.205	16.165	15.423	14.799	15.105	15.836	16.761
16.423	16.477	15.946	13.473	12.873	12.345	12.485	12.957	13.562
12.687	12.215	11.208	8.047	6.907	5.207	5.106	5.305	5.619
35.415	36.184	36.209	33.223	33.359	34.829	36.258	38.324	40.762
7.751	7.614	6.812	4.909	4.033	3.527	3.104	2.75	2.382
5.599	5.142	4.21	2.511	1.868	1.646	1.51	1.456	1.437
9.904	9.244	7.923	5.199	3.979	3.053	2.623	2.345	2.148

5.131	5.317	5.694	5.997	5.651	4.508	-0.554	-1.82	-5.894
-3.491	-3.838	-3.907	-4.048	-5.213	-7.663	-16.482	-19.229	-26.6
15.357	16.224	17.386	18.834	20.121	21.245	20.031	21.561	21.894
1.039	0.785	0.708	0.59	-0.382	-2.567	-10.889	-13.502	-20.485
-11.361	-12.052	-12.355	-12.77	-14.49	-17.746	-28.424	-32.005	-41.031
15.994	16.864	17.955	19.036	19.7	19.878	17.646	18.181	17.171
-5.915	-6.011	-5.824	-5.713	-6.615	-8.69	-17.957	-19.025	-26.016
20.321	21.324	22.199	22.725	23.026	23.017	22.088	22.369	21.934
20.465	21.422	22.203	22.538	22.578	22.207	20.661	20.713	19.759
10.945	11.661	12.529	13.421	14.093	14.564	13.379	14.36	14.176
8.501	9.087	9.839	10.721	11.553	12.371	12.556	13.199	13.646
17.527	18.869	20.533	22.498	24.395	26.382	27.073	28.729	30.076
14.39	15.458	16.802	18.384	19.879	21.388	21.737	22.86	23.625
5.304	5.576	5.917	6.113	5.897	5.181	2.082	1.294	-1.287
28.762	30.098	31.111	31.49	31.639	31.41	30.753	30.969	30.664
14.781	15.58	16.403	17.133	17.713	18.109	17.553	17.973	17.849
4.754	4.954	5.456	5.951	5.723	4.656	-0.449	-1.518	-5.427
13.77	14.686	16.089	17.656	18.557	18.784	14.947	15.79	13.901
-17.341	-18.879	-20.512	-22.525	-25.445	-29.698	-38.115	-43.906	-52.756
2.39	2.017	1.636	0.89	-0.684	-3.411	-9.883	-13.357	-19.458
10.833	11.517	12.347	13.293	14.199	15.097	15.336	16.144	16.665
7.938	8.408	8.989	9.655	10.284	10.892	10.978	11.491	11.798
10.387	11.027	11.789	12.643	13.46	14.264	14.448	15.201	15.639
1.509	1.582	1.678	1.79	1.893	1.988	2.014	2.062	2.11
2.975	3.168	3.405	3.678	3.941	4.203	4.343	4.512	4.701
5.919	6.278	6.745	7.291	7.802	8.294	8.38	8.75	9
21.503	23.062	24.935	27.12	29.263	31.509	32.449	34.54	36.224
8.263	8.714	9.334	10.06	10.575	10.826	8.881	9.498	8.587
-1.29	-1.335	-1.321	-1.372	-1.756	-2.52	-5.962	-6.08	-8.638
-1.78	-1.896	-1.967	-2.082	-2.452	-3.148	-5.691	-6.258	-8.369
-1.269	-1.303	-1.274	-1.312	-1.684	-2.436	-5.925	-5.983	-8.546
-1.583	-1.814	-2.016	-2.295	-2.87	-3.827	-6.586	-7.635	-10.158
17.371	18.46	19.868	21.599	23.251	24.8	23.838	26.184	27.163
13.921	14.639	15.597	16.778	17.839	18.721	17.487	18.838	19.01
5.745	6.147	6.697	7.313	7.673	7.74	5.192	5.935	4.596
42.644	45.492	49.081	53.602	58.53	64.003	66.926	73.969	81.043
1.897	1.537	1.309	1.131	0.773	0.17	-1.34	-2.395	-3.87
1.386	1.389	1.475	1.568	1.457	1.111	-0.507	-0.907	-2.231
1.841	1.657	1.497	1.233	0.623	-0.459	-3.352	-4.888	-7.751

Yukon Occupation Impact Govt	2002-07	2008-12	2013-25	2000	2001	2002
	Average % Impact					
Office Machine & Electronic Dataprocessing Equipment Operators	12.515	5.852	-3.106	0	0	1.68
Supervisors:office machine&EDP eqpt ope	11.824	6.03	-4.096	0	0	1.524
Office machine operators	17.51	8.911	0.633	0	0	2.076
Electronic data-processing eqpt oper	12.215	5.635	-3.312	0	0	1.662
Material Recording, Scheduling & Distibuting Occupations	18.101	19.95	23.812	0	0	2.065
Supers:Mat record, sched&distrib occs	15.669	15.237	16.704	0	0	1.682
Production clerks	23.768	14.839	9.419	0	0	2.249
Shipping & receiving clerks	18.147	18	19.551	0	0	1.957
Stock clerks & rltd	18.066	23.081	30.138	0	0	2.246
Weighers	16.529	6.314	4.743	0	0	0.474
Mat record, schedul & distrib occs, nec	14.841	20.217	27.56	0	0	2.022
Library, File & Correspondence Clerks & Related Occupations	5.757	2.946	0.697	0	0	0.836
Supers:Lib, file&corres clerks&rltd occ	2.348	0.402	-1.975	0	0	0.477
Library & file clerks	5.877	3.17	1.031	0	0	0.854
Lib, file&corresp clerks&rltd occs, nec	6.697	1.953	-1.562	0	0	0.866
Reception, Information, Mail & Message Distribution Occupations	16.558	9.252	5.194	0	0	1.835
Supers:recept,info,mail&mess distr occs	13.73	7.493	1.45	0	0	1.573
Receptionists & information clerks	19.311	9.442	5.603	0	0	2.114
Mail carriers	3.15	4.648	3.752	0	0	0.333
Mail & postal clerks	8.596	8.024	5.895	0	0	1.283
Telephone operators	16.095	7.696	-2.661	0	0	1.607
Messengers	15.811	7.768	1.56	0	0	1.905
Recept,info,mail&mess distrib occs, nec	15.583	14.37	15.812	0	0	1.778
Other Clerical & Related Occupations	13.43	9.386	5.894	0	0	1.263
Supervisors:oth clerical,rltd occs, nec	11.718	7.984	5.189	0	0	1.025
Collectors	12.436	4.402	-8.049	0	0	1.544
Claim adjusters	13.609	15.338	15.457	0	0	1.71
Trav clerks,ticket,station,freight agen	55.876	79.318	44.577	0	0	5.091
Hotel clerks	18.188	20.086	25.441	0	0	2.524
Personnel clerks	6.454	4.469	0.102	0	0	0.798
General office clerks	13.804	6.596	3.917	0	0	1.073
Oth clerical & rltd, nec	7.529	5.317	3.233	0	0	0.916

	Yukon Occupation Impact Govt	2002-07	2008-12	2013-25	2000	2001	2002
		Average % Impact					
Sales	SALES	23.11	32.677	45.534	0	0	3.2
	Sales Occupations, Commodities	25.167	37.312	54.276	0	0	3.496
	Supervisors:Sales, commodities	24.874	39.562	59.645	0	0	3.574

2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
									% Impact				
2.63	6.007	16.5	28.72	18.94	8.99	8.126	6.604	3.47	2.08	1.222	0.682	0.29	-0.04
2.398	5.598	15.4	27.36	18.08	8.96	8.18	6.792	3.79	2.431	1.579	0.923	0.39	-0.098
3.269	8.314	23.19	40.57	26.54	12.42	11.54	9.824	6.12	4.684	3.783	3.387	3.153	2.965
2.6	5.873	16.1	27.99	18.47	8.759	7.891	6.375	3.273	1.884	1.029	0.485	0.089	-0.242
3.544	8.193	22.37	39.27	32.06	21.34	21.48	20.95	18.25	17.7	17.73	18.14	18.95	19.95
2.826	7.048	19.58	35.01	26.87	16.63	16.62	16.02	13.71	13.19	13.16	13.39	13.92	14.57
3.698	10.64	30.67	55.66	37.58	18.37	17.71	15.92	11.77	10.42	9.754	9.653	9.829	10.1
3.312	8.208	22.71	40.22	31.32	19.75	19.71	18.96	16.14	15.41	15.3	15.57	16.2	16.99
3.909	8.243	21.96	37.83	33.24	24.06	24.42	24.14	21.54	21.2	21.47	22.07	23.14	24.47
0.822	6.208	21.22	43.57	25.65	6.92	7.056	6.922	5.587	5.094	3.84	3.858	3.974	4.142
3.482	6.973	18.09	30.17	27.43	20.79	21.21	21.08	19.06	18.92	19.4	20.06	21.12	22.37
1.238	2.66	7.3	13.38	8.747	3.983	3.699	3.176	2.125	1.743	1.498	1.367	1.309	1.278
0.728	1.308	3.229	5.072	3.131	1.275	0.969	0.534	-0.202	-0.563	-0.756	-0.905	-1.022	-1.129
1.259	2.696	7.405	13.67	8.981	4.165	3.901	3.401	2.368	2.009	1.777	1.65	1.6	1.575
1.336	3.172	8.922	15.78	9.829	3.635	3.112	2.24	0.736	0.062	-0.385	-0.562	-0.656	-0.713
2.982	7.501	21.48	38.91	26.19	11.93	11.29	9.986	7.053	5.991	5.227	5.091	5.186	5.382
2.723	6.644	18.6	31.59	21.64	10.79	9.953	8.2	4.872	3.636	2.911	2.664	2.591	2.589
3.287	8.474	24.73	46.05	29.84	12.06	11.42	10.19	7.289	6.24	5.328	5.208	5.343	5.595
0.881	2.093	4.451	6.462	5.891	5.827	5.486	4.834	3.676	3.354	3.421	3.512	3.581	3.566
2.194	4.499	11.38	18.45	14.61	10.1	9.612	8.53	6.265	5.573	5.486	5.47	5.591	5.743
2.943	7.699	21.95	36.79	24.64	11.8	10.72	8.645	4.558	2.765	1.567	0.999	0.636	0.385
3.096	7.518	20.93	36.64	24.46	11.42	10.37	8.47	4.955	3.627	2.888	2.62	2.564	2.583
3.057	7.217	19.85	34.35	26.55	16.11	15.96	15.18	12.63	11.97	11.79	12.03	12.56	13.24
2.077	5.851	17.05	31.49	22.16	11.69	11.18	10.02	7.528	6.514	5.678	5.539	5.609	5.784
1.694	5.027	14.81	27.97	19.2	9.587	9.279	8.497	6.632	5.923	5.288	5.165	5.2	5.313
2.612	6.33	17.28	27.96	18.31	8.319	7.239	5.393	1.501	-0.46	-1.758	-2.511	-3.127	-3.664
2.906	6.397	17.12	28.94	24.06	17.11	17.05	16.18	13.53	12.76	12.49	12.57	12.96	13.49
8.594	24.41	68.72	118	113.9	106	98.98	83.27	60.05	48.29	40.13	38.78	39.23	40.74
4.6	9.148	22.82	37.47	32.55	24.3	22.57	20.35	17.07	15.9	16.24	16.89	18.05	19.55
1.323	3.057	8.299	14.55	10.44	6.046	5.651	4.883	3.247	2.532	2.101	1.824	1.643	1.512
1.721	5.742	17.65	34.15	21.55	7.861	7.7	7.187	5.438	4.799	3.994	3.89	3.929	4.03
1.471	3.452	9.609	17.26	12.15	6.526	6.277	5.68	4.293	3.818	3.525	3.415	3.416	3.466

2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
									% Impact				
5.585	10.91	28.09	46.66	43.23	33.36	34.19	34.17	30.85	30.74	31.63	32.75	34.51	36.56
6.13	11.75	30.13	50.36	47.85	37.7	38.65	38.86	35.56	35.73	36.97	38.42	40.59	43.13
6.276	11.65	29.49	48.89	48.23	39.51	40.65	41.1	38.03	38.48	40.05	41.74	44.16	46.97

2017	2018	2019	2020	2021	2022	2023	2024	2025	7-Feb	12-Aug
									Average % Im	
-0.538	-0.892	-1.207	-1.627	-2.487	-3.941	-7.971	-9.752	-13.53	12.515	5.852
-0.76	-1.31	-1.861	-2.562	-3.743	-5.594	-10.05	-12.47	-16.91	11.824	6.03
2.617	2.428	2.366	2.269	1.703	0.54	-3.374	-4.779	-8.202	17.51	8.911
-0.743	-1.098	-1.418	-1.845	-2.709	-4.163	-8.179	-9.954	-13.72	12.215	5.635
20.64	21.75	23.17	24.94	26.65	28.29	28.004	29.902	31.081	18.101	19.95
15.02	15.74	16.67	17.81	18.82	19.65	18.812	19.622	19.658	15.669	15.237
10.22	10.53	10.98	11.45	11.47	10.9	7.681	6.539	3.676	23.768	14.839
17.49	18.32	19.42	20.77	21.98	23.01	22.134	23.112	23.303	18.147	18
25.42	26.91	28.8	31.16	33.59	36.11	36.664	39.836	42.42	18.066	23.081
4.29	4.544	4.871	5.226	5.505	5.691	5.242	5.357	5.118	16.529	6.314
23.22	24.51	26.2	28.33	30.53	32.82	33.463	36.33	38.825	14.841	20.217
1.191	1.173	1.187	1.184	1.05	0.755	-0.517	-0.677	-1.653	5.757	2.946
-1.272	-1.383	-1.488	-1.625	-1.87	-2.257	-3.347	-3.745	-4.734	2.348	0.402
1.494	1.483	1.506	1.516	1.395	1.117	-0.143	-0.27	-1.219	5.877	3.17
-0.825	-0.869	-0.883	-0.94	-1.17	-1.611	-3.154	-3.549	-4.87	6.697	1.953
5.392	5.652	6.06	6.506	6.657	6.446	4.006	3.852	2.078	16.558	9.252
2.44	2.499	2.705	2.895	2.687	2.01	-1.114	-1.794	-4.369	13.73	7.493
5.657	5.977	6.429	6.91	7.118	6.994	4.644	4.662	3.008	19.311	9.442
3.514	3.534	3.739	4.056	4.251	4.289	3.885	3.908	3.868	3.15	4.648
5.77	5.982	6.388	6.901	7.169	7.14	5.27	5.412	4.306	8.596	8.024
-0.121	-0.371	-0.52	-0.784	-1.599	-3.114	-7.567	-9.65	-13.93	16.095	7.696
2.494	2.566	2.81	3.069	2.929	2.338	-1.086	-1.434	-4.01	15.811	7.768
13.69	14.47	15.52	16.81	17.99	19.05	18.353	19.653	20.141	15.583	14.37
5.847	6.1	6.447	6.815	6.984	6.89	5.481	5.262	4.192	13.43	9.386
5.323	5.478	5.706	5.945	6.016	5.863	4.611	4.303	3.272	11.718	7.984
-4.426	-5.023	-5.597	-6.32	-7.587	-9.618	-14.46	-17.31	-22.19	12.436	4.402
13.82	14.5	15.4	16.49	17.45	18.2	17.266	18.11	18.221	13.609	15.338
42.6	45.51	48.56	51.19	52.47	51.56	47.654	43.325	38.028	55.876	79.318
20.57	22.24	24.29	26.74	29.2	31.92	33.51	36.09	38.649	18.188	20.086
1.285	1.15	1.034	0.868	0.485	-0.206	-2.153	-3.098	-4.967	6.454	4.469
4.027	4.166	4.383	4.629	4.718	4.604	3.23	3.157	2.203	13.804	6.596
3.439	3.526	3.677	3.84	3.86	3.697	2.438	2.331	1.425	7.529	5.317
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**
									Average % Im	
38.03	40.29	43.24	46.97	50.9	55.06	56.159	61.428	66.034	23.11	32.677
44.98	47.72	51.25	55.67	60.43	65.73	67.916	74.664	80.772	25.167	37.312
49.07	52.12	56.02	60.93	66.29	72.37	75.456	83.306	90.736	24.874	39.562

13-25 act	2000	2001	2002	2003	2004	2005	2006	2007
-3.106	0	0	1.68	2.63	6.007	16.497	28.716	18.941
-4.096	0	0	1.524	2.398	5.598	15.399	27.36	18.081
0.633	0	0	2.076	3.269	8.314	23.186	40.574	26.541
-3.312	0	0	1.662	2.6	5.873	16.102	27.985	18.471
23.812	0	0	2.065	3.544	8.193	22.372	39.27	32.06
16.704	0	0	1.682	2.826	7.048	19.579	35.009	26.865
9.419	0	0	2.249	3.698	10.64	30.667	55.655	37.577
19.551	0	0	1.957	3.312	8.208	22.708	40.22	31.32
30.138	0	0	2.246	3.909	8.243	21.96	37.826	33.235
4.743	0	0	0.474	0.822	6.208	21.222	43.566	25.65
27.56	0	0	2.022	3.482	6.973	18.086	30.173	27.431
0.697	0	0	0.836	1.238	2.66	7.3	13.38	8.747
-1.975	0	0	0.477	0.728	1.308	3.229	5.072	3.131
1.031	0	0	0.854	1.259	2.696	7.405	13.665	8.981
-1.562	0	0	0.866	1.336	3.172	8.922	15.782	9.829
5.194	0	0	1.835	2.982	7.501	21.481	38.913	26.185
1.45	0	0	1.573	2.723	6.644	18.599	31.59	21.641
5.603	0	0	2.114	3.287	8.474	24.73	46.052	29.838
3.752	0	0	0.333	0.881	2.093	4.451	6.462	5.891
5.895	0	0	1.283	2.194	4.499	11.381	18.449	14.607
-2.661	0	0	1.607	2.943	7.699	21.946	36.792	24.641
1.56	0	0	1.905	3.096	7.518	20.934	36.641	24.457
15.812	0	0	1.778	3.057	7.217	19.846	34.353	26.547
5.894	0	0	1.263	2.077	5.851	17.054	31.492	22.155
5.189	0	0	1.025	1.694	5.027	14.814	27.969	19.198
-8.049	0	0	1.544	2.612	6.33	17.282	27.957	18.306
15.457	0	0	1.71	2.906	6.397	17.119	28.943	24.061
44.577	0	0	5.091	8.594	24.408	68.72	118.025	113.888
25.441	0	0	2.524	4.6	9.148	22.824	37.47	32.551
0.102	0	0	0.798	1.323	3.057	8.299	14.545	10.437
3.917	0	0	1.073	1.721	5.742	17.652	34.154	21.55
3.233	0	0	0.916	1.471	3.452	9.609	17.261	12.149

13-25 act	2000	2001	2002	2003	2004	2005	2006	2007
45.534	0	0	3.2	5.585	10.908	28.092	46.664	43.227
54.276	0	0	3.496	6.13	11.753	30.134	50.358	47.852
59.645	0	0	3.574	6.276	11.649	29.485	48.888	48.226

2008	2009	2010	2011	2012	2013	2014	2015	2016
				% Impact				
8.99	8.126	6.604	3.47	2.08	1.222	0.682	0.29	-0.04
8.96	8.18	6.792	3.79	2.431	1.579	0.923	0.39	-0.098
12.421	11.544	9.824	6.12	4.684	3.783	3.387	3.153	2.965
8.759	7.891	6.375	3.273	1.884	1.029	0.485	0.089	-0.242
21.344	21.481	20.945	18.246	17.703	17.73	18.138	18.948	19.95
16.63	16.615	16.023	13.711	13.19	13.156	13.389	13.924	14.572
18.371	17.707	15.921	11.771	10.415	9.754	9.653	9.829	10.099
19.754	19.706	18.963	16.142	15.414	15.297	15.572	16.201	16.985
24.063	24.424	24.14	21.536	21.201	21.465	22.068	23.144	24.466
6.92	7.056	6.922	5.587	5.094	3.84	3.858	3.974	4.142
20.792	21.21	21.083	19.06	18.916	19.398	20.056	21.121	22.367
3.983	3.699	3.176	2.125	1.743	1.498	1.367	1.309	1.278
1.275	0.969	0.534	-0.202	-0.563	-0.756	-0.905	-1.022	-1.129
4.165	3.901	3.401	2.368	2.009	1.777	1.65	1.6	1.575
3.635	3.112	2.24	0.736	0.062	-0.385	-0.562	-0.656	-0.713
11.927	11.285	9.986	7.053	5.991	5.227	5.091	5.186	5.382
10.792	9.953	8.2	4.872	3.636	2.911	2.664	2.591	2.589
12.058	11.422	10.187	7.289	6.24	5.328	5.208	5.343	5.595
5.827	5.486	4.834	3.676	3.354	3.421	3.512	3.581	3.566
10.102	9.612	8.53	6.265	5.573	5.486	5.47	5.591	5.743
11.804	10.715	8.645	4.558	2.765	1.567	0.999	0.636	0.385
11.419	10.374	8.47	4.955	3.627	2.888	2.62	2.564	2.583
16.109	15.958	15.179	12.629	11.966	11.786	12.026	12.563	13.244
11.688	11.181	10.016	7.528	6.514	5.678	5.539	5.609	5.784
9.587	9.279	8.497	6.632	5.923	5.288	5.165	5.2	5.313
8.319	7.239	5.393	1.501	-0.46	-1.758	-2.511	-3.127	-3.664
17.107	17.053	16.18	13.525	12.756	12.491	12.57	12.957	13.49
105.992	98.983	83.27	60.051	48.289	40.134	38.782	39.225	40.741
24.301	22.571	20.351	17.07	15.9	16.241	16.885	18.047	19.545
6.046	5.651	4.883	3.247	2.532	2.101	1.824	1.643	1.512
7.861	7.7	7.187	5.438	4.799	3.994	3.89	3.929	4.03
6.526	6.277	5.68	4.293	3.818	3.525	3.415	3.416	3.466

2008	2009	2010	2011	2012	2013	2014	2015	2016
				% Impact				
33.359	34.185	34.167	30.847	30.741	31.631	32.754	34.505	36.561
37.7	38.648	38.857	35.56	35.733	36.974	38.423	40.587	43.127
39.506	40.651	41.098	38.032	38.478	40.052	41.737	44.159	46.974

2017	2018	2019	2020	2021	2022	2023	2024	2025
-0.538	-0.892	-1.207	-1.627	-2.487	-3.941	-7.971	-9.752	-13.526
-0.76	-1.31	-1.861	-2.562	-3.743	-5.594	-10.053	-12.47	-16.913
2.617	2.428	2.366	2.269	1.703	0.54	-3.374	-4.779	-8.202
-0.743	-1.098	-1.418	-1.845	-2.709	-4.163	-8.179	-9.954	-13.717
20.642	21.748	23.174	24.939	26.653	28.294	28.004	29.902	31.081
15.017	15.735	16.666	17.807	18.82	19.653	18.812	19.622	19.658
10.217	10.533	10.975	11.446	11.472	10.904	7.681	6.539	3.676
17.49	18.32	19.416	20.768	21.984	23.006	22.134	23.112	23.303
25.42	26.911	28.804	31.16	33.585	36.111	36.664	39.836	42.42
4.29	4.544	4.871	5.226	5.505	5.691	5.242	5.357	5.118
23.221	24.505	26.202	28.33	30.527	32.823	33.463	36.33	38.825
1.191	1.173	1.187	1.184	1.05	0.755	-0.517	-0.677	-1.653
-1.272	-1.383	-1.488	-1.625	-1.87	-2.257	-3.347	-3.745	-4.734
1.494	1.483	1.506	1.516	1.395	1.117	-0.143	-0.27	-1.219
-0.825	-0.869	-0.883	-0.94	-1.17	-1.611	-3.154	-3.549	-4.87
5.392	5.652	6.06	6.506	6.657	6.446	4.006	3.852	2.078
2.44	2.499	2.705	2.895	2.687	2.01	-1.114	-1.794	-4.369
5.657	5.977	6.429	6.91	7.118	6.994	4.644	4.662	3.008
3.514	3.534	3.739	4.056	4.251	4.289	3.885	3.908	3.868
5.77	5.982	6.388	6.901	7.169	7.14	5.27	5.412	4.306
-0.121	-0.371	-0.52	-0.784	-1.599	-3.114	-7.567	-9.65	-13.926
2.494	2.566	2.81	3.069	2.929	2.338	-1.086	-1.434	-4.01
13.69	14.472	15.517	16.808	17.992	19.049	18.353	19.653	20.141
5.847	6.1	6.447	6.815	6.984	6.89	5.481	5.262	4.192
5.323	5.478	5.706	5.945	6.016	5.863	4.611	4.303	3.272
-4.426	-5.023	-5.597	-6.32	-7.587	-9.618	-14.46	-17.31	-22.191
13.821	14.495	15.395	16.487	17.449	18.196	17.266	18.11	18.221
42.599	45.513	48.562	51.189	52.467	51.56	47.654	43.325	38.028
20.573	22.244	24.289	26.74	29.198	31.919	33.51	36.09	38.649
1.285	1.15	1.034	0.868	0.485	-0.206	-2.153	-3.098	-4.967
4.027	4.166	4.383	4.629	4.718	4.604	3.23	3.157	2.203
3.439	3.526	3.677	3.84	3.86	3.697	2.438	2.331	1.425

2017	2018	2019	2020	2021	2022	2023	2024	2025
38.025	40.29	43.244	46.971	50.899	55.055	56.159	61.428	66.034
44.979	47.722	51.246	55.673	60.432	65.727	67.916	74.664	80.772
49.072	52.116	56.021	60.93	66.285	72.365	75.456	83.306	90.736

	Technical sales & rltd advisers	21.799	1.332	-12.766	0	0	1.332
	Commercial travellers	15.189	4.449	-0.149	0	0	0.988
	Sales clerks&salespersons, commod, nec	25.856	40.033	59.664	0	0	3.658
	Street vendors & door-to-door sales	27.717	39.761	57.137	0	0	3.922
	Newspaper carriers & vendors	28.514	55.777	92.915	0	0	4.678
	Service station attendants	27.736	52.94	86.709	0	0	4.473
	Sales:Commodities, nec	28.558	15.237	-4.476	0	0	3.665
	Sales Occupations, Services	12.301	7.629	-0.525	0	0	1.677
	Supervisors:Sales, services	13.818	5.4	-8.027	0	0	1.63
	Insurance sales	7.109	6.108	1.123	0	0	1.256
	Real estate sales	7.109	6.108	1.123	0	0	1.256
	Sales agents & traders, securities	13.23	2.937	-15.918	0	0	1.788
	Advertising sales	33.449	17.168	8.07	0	0	3.778
	Business services sales	24.593	14.307	-3.257	0	0	2.72
	Sales:Services, nec	19.385	11.919	7.43	0	0	1.822
	Other Sales Occupations	20.11	23.337	26.085	0	0	2.857
	Supervisors:oth sales	21.44	22.808	23.593	0	0	2.994
	Buyers, wholesale & retail trade	15.347	28.672	42.64	0	0	2.518
	Route drivers	19.939	24.483	33.453	0	0	2.909
	Oth sales, nec	25.758	16.021	0.182	0	0	3.19
Service	SERVICE	17.638	17.801	20.528	0	0	2.488
	Protective Service Occupations	5.813	-0.345	-10.357	0	0	0.682
	Fire-fighting	2.38	1.561	0.708	0	0	0.128
	Police officers & detectives, gov't	0.113	0.184	0.207	0	0	0
	Police agents & investigators, private	14.479	0.678	-21.756	0	0	1.8
	Guards & rltd security	12.218	-1.713	-24.601	0	0	1.477
	Protective service, nec	2.476	1.509	0.403	0	0	0.305
	Food & Beverage Preparation & Related Service Occupations	17.437	19.182	24.25	0	0	2.404
	Supers:Food&bev prep&rltd service occs	16.934	18.569	23.362	0	0	2.34
	Chefs & cooks	17.04	18.584	23.454	0	0	2.336
	Bartenders	17.838	19.507	24.571	0	0	2.462
	Food & beverage serving	18.152	20.142	25.552	0	0	2.507
	Food&bev prep & rltd service occs, nec	14.484	15.858	19.992	0	0	2.024
	Occupations in Lodging & Other Accommodation	17.281	18.404	22.286	0	0	2.341
	Supervisors:Lodging & oth accommodation	17.073	17.371	20.618	0	0	2.256
	Lodging cleaners, except private hhold	17.444	19.067	23.957	0	0	2.421
	Sleeping-car & baggage porters	21.496	25.679	27.043	0	0	2.786
	Lodging & oth accommodation, nec	13.794	13.358	14.777	0	0	1.828
	Yukon Occupation Impact Govt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
		Average % Impact					

2.087	9.063	28.95	56.01	30.51	4.81	3.933	2.487	-1.299	-3.374	-5.704	-6.493	-7.234	-7.918
1.58	6.507	20.13	38	22.31	6.39	5.989	5.099	2.863	1.918	0.966	0.845	0.819	0.81
6.432	12.09	30.77	51.2	49.79	40.17	41.27	41.63	38.34	38.7	40.19	41.85	44.25	47.06
6.864	13.14	33.52	55.46	52.16	40.87	41.58	41.43	37.43	37.41	38.68	40.19	42.45	45.13
8.275	13.7	32.9	52.06	58.87	54.44	56.43	57.71	54.39	55.91	59.28	62.28	66.3	70.89
7.915	13.3	32.13	51.12	56.84	51.94	53.73	54.8	51.47	52.74	55.75	58.48	62.18	66.43
6.329	14.42	38.51	62.18	44.07	23.01	20.91	17.38	9.293	5.614	3.528	2.418	1.745	1.326
2.735	6.426	17.16	27.1	18.78	10.6	10.09	8.442	5.054	3.589	2.748	2.243	1.869	1.523
2.639	6.854	19.12	32.18	20.41	8.851	8.1	6.394	2.611	0.693	-0.753	-1.657	-2.462	-3.227
1.898	3.889	9.89	15.05	10.87	7.362	7.303	6.591	4.915	4.145	3.71	3.3	2.939	2.543
1.898	3.889	9.89	15.05	10.87	7.362	7.303	6.591	4.915	4.145	3.71	3.3	2.939	2.543
2.872	6.958	18.92	30.34	18.6	7.426	6.257	4.063	-0.513	-3.077	-4.938	-6.249	-7.485	-8.668
6.918	17.75	47.3	71.97	50.43	27.18	24.43	18.65	9.366	6.371	5.499	5.531	6	6.66
4.503	11.88	33.11	55.29	38.78	21.83	19.84	15.85	8.532	4.954	2.472	1.577	1.098	0.824
3.044	8.705	25.57	45.41	30.36	14.12	14.07	12.91	9.707	8.633	7.629	7.417	7.511	7.798
4.988	9.868	25.27	40.85	35.69	25.91	25.66	24.59	20.72	19.75	19.83	20.19	21.06	22.21
5.117	10.59	27.38	44.33	37.16	26.33	25.67	24.03	19.63	18.33	18.14	18.41	19.18	20.21
4.41	7.407	17.84	28.04	31.12	28.38	29.3	29.71	27.8	28.16	29.43	30.61	32.31	34.25
4.899	9.502	24.45	41.18	35.62	25.84	25.84	25.28	22.81	22.62	23.23	24.06	25.38	26.98
5.75	13.06	34.66	55.22	40.92	22.98	21.18	17.99	10.56	7.315	5.602	4.706	4.284	4.137
4.31	8.618	22.09	37.08	30.53	21.06	19.94	18.26	15.31	14.37	14.44	14.83	15.65	16.72
1.237	3.145	8.463	13.25	7.769	2.393	1.498	0.256	-2.18	-3.588	-4.535	-5.135	-5.702	-6.242
0.249	1.012	3.004	5.705	3.94	2.051	1.931	1.67	1.209	0.977	0.734	0.701	0.699	0.714
0.048	0.118	0.154	0.171	0.179	0.182	0.183	0.183	0.184	0.185	0.187	0.189	0.191	0.194
3.164	7.694	20.82	32.73	19.94	6.906	4.942	2.168	-3.594	-6.829	-8.963	-10.31	-11.56	-12.73
2.627	6.646	17.98	27.95	15.96	4.373	2.375	-0.373	-5.792	-8.965	-11.07	-12.43	-13.76	-15.04
0.564	1.281	3.273	5.379	3.906	2.186	1.939	1.608	1.051	0.784	0.652	0.601	0.594	0.609
4.369	8.732	21.85	35.98	31.14	23.08	21.5	19.46	16.37	15.29	15.6	16.2	17.3	18.7
4.25	8.49	21.23	34.92	30.22	22.38	20.84	18.84	15.83	14.77	15.06	15.63	16.69	18.05
4.242	8.517	21.35	35.23	30.36	22.35	20.82	18.85	15.87	14.83	15.12	15.7	16.76	18.11
4.481	8.952	22.39	36.85	31.86	23.61	21.93	19.77	16.58	15.43	15.74	16.36	17.48	18.92
4.562	9.097	22.75	37.42	32.51	24.23	22.58	20.44	17.19	16.05	16.38	17.02	18.17	19.66
3.645	7.243	18.1	29.76	25.69	18.89	17.69	16.11	13.65	12.83	13.08	13.56	14.44	15.57
4.223	8.618	21.77	36.04	30.62	22.23	20.75	18.73	15.61	14.46	14.62	15.14	16.12	17.39
4.033	8.447	21.64	36.19	29.89	20.82	19.56	17.74	14.79	13.7	13.78	14.23	15.12	16.25
4.402	8.771	21.89	35.94	31.1	23.08	21.44	19.33	16.2	15.08	15.38	15.98	17.07	18.47
5.014	10.51	26.79	44.3	39.68	31.8	29.73	26.38	21.17	18.99	18.52	18.96	20.01	21.49
3.244	6.853	17.58	29.31	23.81	16.2	15.17	13.67	11.26	10.33	10.29	10.55	11.16	11.93
2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**

% Impact

-8.729	-9.426	-10.16	-11.1	-12.56	-14.75	-19.56	-22.32	-27.24	21.799	1.332
0.751	0.749	0.799	0.835	0.628	0.113	-1.663	-2.512	-4.248	15.189	4.449
49.15	52.21	56.13	61.05	66.41	72.46	75.36	83.151	90.406	25.856	40.033
47.14	50.15	54	58.82	63.97	69.71	71.89	79.257	85.702	27.717	39.761
74.58	79.75	86.3	94.52	103.9	115.2	122.83	138.07	153.17	28.514	55.777
69.82	74.61	80.66	88.25	96.84	107.1	113.9	127.66	141.26	27.736	52.94
0.361	-0.107	-0.378	-0.723	-2.069	-4.845	-13.87	-17.88	-25.98	28.558	15.237
1.067	0.746	0.607	0.489	-0.002	-0.939	-3.845	-5.185	-7.84	12.301	7.629
-4.175	-5.021	-5.809	-6.729	-8.186	-10.27	-14.76	-17.73	-22.63	13.818	5.4
2.049	1.663	1.416	1.232	0.903	0.381	-0.797	-1.757	-2.926	7.109	6.108
2.049	1.663	1.416	1.232	0.903	0.381	-0.797	-1.757	-2.926	7.109	6.108
-10.09	-11.44	-12.8	-14.41	-16.73	-19.8	-25.73	-30.1	-37.03	13.23	2.937
7.397	8.336	9.912	11.7	12.57	12.64	6.598	7.706	4.358	33.449	17.168
0.301	0.112	0.058	-0.202	-1.321	-3.597	-10.05	-13.51	-19.86	24.593	14.307
7.894	8.264	8.685	9.008	9.002	8.542	6.131	5.416	3.397	19.385	11.919
22.87	24.1	25.75	27.79	29.67	31.36	29.915	31.77	32.149	20.11	23.337
20.83	22	23.57	25.46	27.12	28.5	26.758	28.172	28.014	21.44	22.808
35.56	37.47	40.04	43.29	46.81	50.7	52.62	57.54	62.339	15.347	28.672
28.14	29.86	32.02	34.62	37.28	40.09	41.189	44.381	47.124	19.939	24.483
3.495	3.346	3.46	3.609	2.89	0.96	-7.038	-9.842	-16.58	25.758	16.021
17.44	18.66	20.15	21.88	23.5	25.1	25.301	26.578	27.297	17.638	17.801
-6.933	-7.581	-8.276	-9.142	-10.4	-12.25	-15.91	-18.6	-22.6	5.813	-0.345
0.73	0.765	0.801	0.827	0.827	0.786	0.655	0.565	0.421	2.38	1.561
0.197	0.2	0.204	0.208	0.212	0.217	0.222	0.228	0.234	0.113	0.184
-14.29	-15.69	-17.14	-18.92	-21.62	-25.71	-34.28	-40	-48.85	14.479	0.678
-16.68	-18.23	-19.86	-21.88	-24.81	-29.11	-37.56	-43.6	-52.6	12.218	-1.713
0.573	0.58	0.609	0.634	0.603	0.498	0.074	-0.15	-0.581	2.476	1.509
19.66	21.23	23.15	25.46	27.78	30.33	31.776	34.21	36.592	17.437	19.182
18.96	20.47	22.32	24.54	26.76	29.2	30.559	32.865	35.107	16.934	18.569
19.03	20.54	22.4	24.62	26.85	29.3	30.69	33.021	35.296	17.04	18.584
19.9	21.5	23.47	25.83	28.19	30.79	32.283	34.733	37.14	17.838	19.507
20.69	22.35	24.39	26.83	29.29	32	33.567	36.178	38.753	18.152	20.142
16.32	17.56	19.11	20.96	22.81	24.81	25.888	27.801	29.609	14.484	15.858
18.22	19.62	21.38	23.49	25.58	27.8	28.895	30.877	32.821	17.281	18.404
16.96	18.2	19.8	21.75	23.66	25.63	26.464	28.153	29.851	17.073	17.371
19.42	20.98	22.89	25.19	27.48	30.01	31.436	33.8	36.111	17.444	19.067
22.57	24.34	26.46	28.9	31.2	33.51	34.362	36.155	37.703	21.496	25.679
12.35	13.18	14.29	15.64	16.93	18.19	18.514	19.47	20.328	13.794	13.358
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**

Average % Im

-12.766	0	0	1.332	2.087	9.063	28.954	56.007	30.513
-0.149	0	0	0.988	1.58	6.507	20.127	37.995	22.31
59.664	0	0	3.658	6.432	12.09	30.772	51.204	49.788
57.137	0	0	3.922	6.864	13.138	33.522	55.456	52.164
92.915	0	0	4.678	8.275	13.701	32.904	52.059	58.869
86.709	0	0	4.473	7.915	13.295	32.134	51.116	56.843
-4.476	0	0	3.665	6.329	14.423	38.51	62.176	44.073
-0.525	0	0	1.677	2.735	6.426	17.159	27.101	18.78
-8.027	0	0	1.63	2.639	6.854	19.124	32.183	20.414
1.123	0	0	1.256	1.898	3.889	9.89	15.045	10.873
1.123	0	0	1.256	1.898	3.889	9.89	15.045	10.873
-15.918	0	0	1.788	2.872	6.958	18.924	30.336	18.6
8.07	0	0	3.778	6.918	17.753	47.299	71.973	50.425
-3.257	0	0	2.72	4.503	11.875	33.108	55.287	38.775
7.43	0	0	1.822	3.044	8.705	25.565	45.409	30.359
26.085	0	0	2.857	4.988	9.868	25.265	40.849	35.691
23.593	0	0	2.994	5.117	10.592	27.375	44.325	37.164
42.64	0	0	2.518	4.41	7.407	17.844	28.042	31.122
33.453	0	0	2.909	4.899	9.502	24.452	41.184	35.62
0.182	0	0	3.19	5.75	13.062	34.655	55.215	40.915
20.528	0	0	2.488	4.31	8.618	22.09	37.084	30.531
-10.357	0	0	0.682	1.237	3.145	8.463	13.254	7.769
0.708	0	0	0.128	0.249	1.012	3.004	5.705	3.94
0.207	0	0	0	0.048	0.118	0.154	0.171	0.179
-21.756	0	0	1.8	3.164	7.694	20.818	32.732	19.936
-24.601	0	0	1.477	2.627	6.646	17.98	27.947	15.96
0.403	0	0	0.305	0.564	1.281	3.273	5.379	3.906
24.25	0	0	2.404	4.369	8.732	21.853	35.978	31.143
23.362	0	0	2.34	4.25	8.49	21.233	34.918	30.219
23.454	0	0	2.336	4.242	8.517	21.353	35.228	30.362
24.571	0	0	2.462	4.481	8.952	22.392	36.845	31.859
25.552	0	0	2.507	4.562	9.097	22.751	37.424	32.512
19.992	0	0	2.024	3.645	7.243	18.1	29.755	25.688
22.286	0	0	2.341	4.223	8.618	21.773	36.038	30.621
20.618	0	0	2.256	4.033	8.447	21.637	36.189	29.889
23.957	0	0	2.421	4.402	8.771	21.891	35.939	31.104
27.043	0	0	2.786	5.014	10.506	26.793	44.301	39.677
14.777	0	0	1.828	3.244	6.853	17.583	29.313	23.814
13-25 **pact**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**

4.81	3.933	2.487	-1.299	-3.374	-5.704	-6.493	-7.234	-7.918
6.39	5.989	5.099	2.863	1.918	0.966	0.845	0.819	0.81
40.169	41.268	41.631	38.343	38.695	40.193	41.846	44.249	47.061
40.867	41.578	41.427	37.431	37.408	38.68	40.188	42.445	45.131
54.443	56.43	57.713	54.393	55.908	59.275	62.283	66.295	70.894
51.944	53.731	54.796	51.472	52.739	55.746	58.483	62.176	66.432
23.014	20.909	17.381	9.293	5.614	3.528	2.418	1.745	1.326
10.595	10.093	8.442	5.054	3.589	2.748	2.243	1.869	1.523
8.851	8.1	6.394	2.611	0.693	-0.753	-1.657	-2.462	-3.227
7.362	7.303	6.591	4.915	4.145	3.71	3.3	2.939	2.543
7.362	7.303	6.591	4.915	4.145	3.71	3.3	2.939	2.543
7.426	6.257	4.063	-0.513	-3.077	-4.938	-6.249	-7.485	-8.668
27.181	24.43	18.649	9.366	6.371	5.499	5.531	6	6.66
21.832	19.836	15.852	8.532	4.954	2.472	1.577	1.098	0.824
14.115	14.073	12.905	9.707	8.633	7.629	7.417	7.511	7.798
25.911	25.66	24.586	20.722	19.754	19.831	20.187	21.059	22.211
26.332	25.674	24.025	19.631	18.329	18.142	18.406	19.176	20.213
28.375	29.301	29.712	27.801	28.157	29.429	30.607	32.306	34.245
25.844	25.843	25.279	22.807	22.619	23.23	24.061	25.383	26.977
22.98	21.18	17.987	10.557	7.315	5.602	4.706	4.284	4.137
21.061	19.936	18.262	15.305	14.372	14.444	14.832	15.645	16.718
2.393	1.498	0.256	-2.18	-3.588	-4.535	-5.135	-5.702	-6.242
2.051	1.931	1.67	1.209	0.977	0.734	0.701	0.699	0.714
0.182	0.183	0.183	0.184	0.185	0.187	0.189	0.191	0.194
6.906	4.942	2.168	-3.594	-6.829	-8.963	-10.309	-11.557	-12.73
4.373	2.375	-0.373	-5.792	-8.965	-11.074	-12.433	-13.757	-15.044
2.186	1.939	1.608	1.051	0.784	0.652	0.601	0.594	0.609
23.076	21.501	19.459	16.374	15.294	15.597	16.2	17.295	18.702
22.38	20.836	18.835	15.829	14.769	15.055	15.631	16.687	18.045
22.345	20.823	18.851	15.874	14.834	15.118	15.697	16.755	18.113
23.607	21.928	19.771	16.575	15.433	15.741	16.356	17.475	18.918
24.232	22.581	20.436	17.188	16.049	16.378	17.019	18.174	19.661
18.891	17.692	16.107	13.65	12.831	13.079	13.558	14.441	15.567
22.233	20.754	18.729	15.609	14.461	14.621	15.136	16.121	17.387
20.819	19.56	17.739	14.786	13.698	13.776	14.232	15.123	16.254
23.084	21.439	19.325	16.197	15.078	15.379	15.975	17.066	18.47
31.803	29.727	26.376	21.169	18.99	18.522	18.955	20.014	21.487
16.203	15.167	13.667	11.258	10.332	10.293	10.554	11.156	11.928
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**

% Impact

-8.729	-9.426	-10.161	-11.096	-12.56	-14.748	-19.564	-22.32	-27.236
0.751	0.749	0.799	0.835	0.628	0.113	-1.663	-2.512	-4.248
49.152	52.212	56.13	61.052	66.405	72.459	75.36	83.151	90.406
47.142	50.154	53.999	58.82	63.971	69.705	71.89	79.257	85.702
74.576	79.746	86.3	94.519	103.88	115.194	122.832	138.066	153.173
69.822	74.608	80.662	88.25	96.837	107.121	113.899	127.66	141.259
0.361	-0.107	-0.378	-0.723	-2.069	-4.845	-13.866	-17.876	-25.984
1.067	0.746	0.607	0.489	-0.002	-0.939	-3.845	-5.185	-7.84
-4.175	-5.021	-5.809	-6.729	-8.186	-10.267	-14.761	-17.729	-22.631
2.049	1.663	1.416	1.232	0.903	0.381	-0.797	-1.757	-2.926
2.049	1.663	1.416	1.232	0.903	0.381	-0.797	-1.757	-2.926
-10.093	-11.442	-12.801	-14.406	-16.727	-19.803	-25.734	-30.096	-37.03
7.397	8.336	9.912	11.695	12.57	12.643	6.598	7.706	4.358
0.301	0.112	0.058	-0.202	-1.321	-3.597	-10.045	-13.511	-19.859
7.894	8.264	8.685	9.008	9.002	8.542	6.131	5.416	3.397
22.872	24.102	25.753	27.79	29.669	31.357	29.915	31.77	32.149
20.83	21.998	23.567	25.464	27.122	28.496	26.758	28.172	28.014
35.56	37.474	40.04	43.292	46.808	50.697	52.62	57.54	62.339
28.138	29.855	32.015	34.621	37.279	40.092	41.189	44.381	47.124
3.495	3.346	3.46	3.609	2.89	0.96	-7.038	-9.842	-16.578
17.436	18.656	20.149	21.875	23.497	25.095	25.301	26.578	27.297
-6.933	-7.581	-8.276	-9.142	-10.403	-12.254	-15.912	-18.597	-22.595
0.73	0.765	0.801	0.827	0.827	0.786	0.655	0.565	0.421
0.197	0.2	0.204	0.208	0.212	0.217	0.222	0.228	0.234
-14.286	-15.687	-17.138	-18.919	-21.624	-25.708	-34.28	-39.995	-48.852
-16.678	-18.229	-19.864	-21.88	-24.813	-29.113	-37.558	-43.603	-52.596
0.573	0.58	0.609	0.634	0.603	0.498	0.074	-0.15	-0.581
19.662	21.228	23.154	25.463	27.777	30.325	31.776	34.21	36.592
18.963	20.465	22.319	24.54	26.761	29.196	30.559	32.865	35.107
19.034	20.54	22.397	24.623	26.851	29.3	30.69	33.021	35.296
19.9	21.504	23.474	25.832	28.192	30.793	32.283	34.733	37.14
20.686	22.35	24.388	26.832	29.287	32.001	33.567	36.178	38.753
16.322	17.564	19.111	20.964	22.81	24.81	25.888	27.801	29.609
18.215	19.619	21.377	23.49	25.58	27.8	28.895	30.877	32.821
16.956	18.2	19.801	21.746	23.66	25.631	26.464	28.153	29.851
19.419	20.976	22.894	25.19	27.484	30.007	31.436	33.8	36.111
22.569	24.341	26.456	28.895	31.201	33.513	34.362	36.155	37.703
12.35	13.177	14.286	15.635	16.926	18.194	18.514	19.47	20.328
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**

	Personal Service Occupations	29.819	31.794	40.839	0	0	4.733
	Funeral directors, embalmers&rltd occs	35.198	36.97	50.158	0	0	5.769
	Housekeepers, servants & rltd	23.046	22.772	29.824	0	0	3.676
	Barbers, hairdressers & rltd	34.736	36.943	50.268	0	0	5.683
	Guides	4.378	4.143	4.518	0	0	0.578
	Travel&rltd attendants, except food&bev	72.279	104.146	59.108	0	0	6.662
	Child-care	25.478	26.427	35.92	0	0	4.195
	Personal service, nec	25.997	26.672	35.118	0	0	4.121
	Apparel & Furnishings Service Occupations	29.561	31.072	42.057	0	0	4.741
	Supervisors:Apparel & furnishings svc	32.042	33.388	45.275	0	0	5.13
	Laundering & dry cleaning	25.539	26.937	36.37	0	0	4.064
	Pressing	33.578	35.709	48.447	0	0	5.494
	Apparel & furnishings service, nec	34.444	35.708	48.25	0	0	5.528
	Other Service Occupations	14.061	13.119	15.049	0	0	1.64
	Supervisors:oth service	13.821	11.401	10.851	0	0	1.473
	Janitors, charworkers & cleaners	11.814	8.952	9.463	0	0	1.186
	Elevator-operating	28.159	15.849	17.764	0	0	1.674
	Labouring & oth elemental work:oth svc	18.017	21.663	27.511	0	0	2.469
	Oth service, nec	16.459	15.3	16.225	0	0	2.041
Farming	FARMING, HORTICULTURAL & ANIMAL HUSBANDRY	49.087	9.707	6.97	0	0	0.389
	Farmers	0	0	0	0	0	0
	Other Farming, Horticultural & Animal Husbandry Occupations	54.518	10.568	7.474	0	0	0.44
	Foremn/womn:oth farm,hort&animal hsbdry	0	0	0	0	0	0
	Livestock farm workers	0	0	0	0	0	0
	Crop farm workers	0	0	0	0	0	0
	Nursery & rltd workers	62.596	11.621	7.986	0	0	0.475
	Inspect&test&grad&sampl occs:oth farm	3.956	4.528	5.898	0	0	0.756
	Farm machinery operators	16.802	4.605	3.195	0	0	0.285
	Oth farm, horticult&animal hsbdry, nec	13.193	5.341	5.39	0	0	0.429

	Yukon Occupation Impact Govt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
		Average % Impact					
Fishing & T	FISHING, TRAPPING & RELATED	0.549	0.387	0.148	0	0	0.069

7.573	14	36.33	62.57	50.85	34.6	34.13	32.65	29.01	28.63	29.2	30.09	31.6	33.47
9.204	16.58	42.93	74.12	59.53	39.32	39.06	37.87	34.3	34.37	35.5	36.71	38.62	40.93
5.878	10.88	28.22	48.69	38.31	24.52	24.24	23.39	20.93	20.82	21.34	22.02	23.13	24.52
9.086	16.37	42.33	73.02	58.96	39.22	39	37.85	34.31	34.39	35.52	36.74	38.65	40.97
1.011	2.15	5.537	9.314	7.438	4.963	4.691	4.255	3.526	3.293	3.275	3.345	3.516	3.741
11.32	31.74	89.04	153.7	148.6	138.7	129.7	109.4	78.79	63.14	52.33	50.71	51.43	53.61
6.675	12.04	31	53.39	42.7	28.06	27.88	27.07	24.54	24.61	25.4	26.26	27.63	29.3
6.649	12.29	31.87	54.93	43.89	28.75	28.4	27.37	24.51	24.36	25.02	25.83	27.15	28.79
7.63	13.95	36.12	62.36	50.19	33.24	32.92	31.83	28.72	28.68	29.57	30.6	32.21	34.19
8.225	15.05	39.13	67.83	54.27	35.57	35.3	34.2	30.94	30.96	31.92	33.02	34.75	36.86
6.586	12.1	31.24	53.78	43.49	29.04	28.64	27.57	24.79	24.67	25.42	26.31	27.72	29.46
8.791	15.85	40.95	70.56	57.02	37.98	37.73	36.59	33.13	33.17	34.26	35.43	37.28	39.52
8.841	16.16	42.06	72.92	58.2	38.01	37.75	36.6	33.11	33.13	34.15	35.31	37.15	39.38
2.864	6.543	17.58	30.77	24.13	15.19	14.58	13.55	11.44	10.78	10.62	10.89	11.48	12.23
2.517	6.254	17.46	31.14	23.14	13.2	12.85	12.01	9.828	9.075	8.591	8.657	8.975	9.433
2.022	5.255	14.85	27.14	19.48	10.24	9.943	9.348	7.838	7.369	7.057	7.19	7.524	7.962
2.866	11.15	35.33	70.16	45.11	16.46	16.86	16.94	14.75	14.23	12.97	13.31	13.95	14.76
4.437	8.866	22.36	36.89	32.81	25.21	24	22.16	18.9	17.87	18.14	18.78	19.93	21.41
3.543	7.807	20.8	35.59	28.03	17.82	17.15	15.94	13.21	12.32	12.08	12.28	12.86	13.64
0.664	16.75	62.13	135.6	72.75	8.613	9.859	11.21	9.697	9.151	5.052	5.198	5.467	5.811
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.746	18.58	68.65	149.4	79.78	9.419	10.76	12.2	10.53	9.927	5.475	5.624	5.9	6.255
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.801	21.24	78.34	170.2	90.16	10.34	11.83	13.43	11.59	10.9	5.902	6.055	6.338	6.705
1.168	1.913	4.851	8.171	6.99	4.941	4.925	4.722	4.075	3.967	4.06	4.168	4.408	4.708
0.488	6.043	21.67	46.28	26.2	4.639	4.977	5.231	4.272	3.883	2.385	2.427	2.565	2.743
0.745	4.972	17.15	35.71	21.23	5.331	5.627	5.84	5.057	4.838	3.891	3.993	4.208	4.48

Yukon and Northwest Territories
Employment by Occupation
Standard Occupational Classification
Thousands

2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
										% Impact			
0.118	0.269	0.705	1.231	0.888	0.503	0.453	0.401	0.313	0.269	0.234	0.214	0.21	0.206

34.99	37.26	39.95	42.98	45.89	48.78	49.708	52.514	54.372	29.819	31.794
42.79	45.55	48.84	52.58	56.24	59.93	61.292	65.068	67.747	35.198	36.97
25.6	27.27	29.24	31.45	33.57	35.69	36.198	38.209	39.349	23.046	22.772
42.83	45.59	48.9	52.65	56.35	60.09	61.497	65.37	68.168	34.736	36.943
3.89	4.148	4.475	4.838	5.162	5.458	5.417	5.644	5.715	4.378	4.143
56.24	60.28	64.48	68.19	70.1	69.15	64.072	58.158	50.813	72.279	104.146
30.63	32.63	35	37.68	40.29	42.96	43.951	46.629	48.461	25.478	26.427
30.08	32.03	34.35	36.96	39.49	42.02	42.735	45.162	46.707	25.997	26.672
35.78	38.14	40.95	44.13	47.25	50.42	51.63	54.844	57.152	29.561	31.072
38.56	41.08	44.08	47.47	50.81	54.18	55.469	58.91	61.38	32.042	33.388
30.86	32.94	35.4	38.19	40.93	43.73	44.849	47.658	49.698	25.539	26.937
41.31	43.97	47.15	50.76	54.32	57.91	59.215	62.901	65.541	33.578	35.709
41.17	43.83	47	50.6	54.12	57.67	58.955	62.575	65.133	34.444	35.708
12.73	13.57	14.63	15.89	17.1	18.29	18.5	19.609	20.398	14.061	13.119
9.696	10.24	10.93	11.74	12.43	12.96	12.31	12.643	12.422	13.821	11.401
8.236	8.73	9.36	10.1	10.76	11.36	11.175	11.69	11.848	11.814	8.952
15.3	16.16	17.24	18.57	19.89	21.17	21.145	22.484	23.408	28.159	15.849
22.49	24.21	26.29	28.78	31.3	34.04	35.517	38.332	41.033	18.017	21.663
14.11	15.01	16.13	17.45	18.63	19.69	19.143	19.973	20.066	16.459	15.3
6.068	6.419	6.805	7.254	7.716	8.188	8.361	8.847	9.242	49.087	9.707
0	0	0	0	0	0	0	0	0	0	0
6.519	6.888	7.295	7.767	8.249	8.741	8.91	9.419	9.834	54.518	10.568
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
6.978	7.364	7.787	8.277	8.777	9.288	9.476	10.007	10.455	62.596	11.621
4.915	5.244	5.663	6.184	6.702	7.222	7.025	7.914	8.337	3.956	4.528
2.878	3.067	3.281	3.527	3.742	3.896	3.714	3.759	3.639	16.802	4.605
4.676	4.959	5.303	5.722	6.133	6.525	6.451	6.862	7.049	13.193	5.341
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**		
0.191	0.18	0.18	0.184	0.18	0.162	0.085	0.019	-0.088	0.549	0.387

40.839	0	0	4.733	7.573	14.002	36.329	62.573	50.852
50.158	0	0	5.769	9.204	16.584	42.928	74.121	59.528
29.824	0	0	3.676	5.878	10.88	28.215	48.687	38.305
50.268	0	0	5.683	9.086	16.367	42.331	73.015	58.96
4.518	0	0	0.578	1.011	2.15	5.537	9.314	7.438
59.108	0	0	6.662	11.322	31.744	89.036	153.653	148.587
35.92	0	0	4.195	6.675	12.037	31.004	53.39	42.697
35.118	0	0	4.121	6.649	12.286	31.868	54.927	43.885
42.057	0	0	4.741	7.63	13.945	36.115	62.358	50.19
45.275	0	0	5.13	8.225	15.05	39.134	67.828	54.266
36.37	0	0	4.064	6.586	12.101	31.242	53.782	43.487
48.447	0	0	5.494	8.791	15.848	40.95	70.558	57.015
48.25	0	0	5.528	8.841	16.161	42.056	72.915	58.199
15.049	0	0	1.64	2.864	6.543	17.583	30.774	24.132
10.851	0	0	1.473	2.517	6.254	17.455	31.136	23.14
9.463	0	0	1.186	2.022	5.255	14.845	27.136	19.477
17.764	0	0	1.674	2.866	11.149	35.33	70.163	45.106
27.511	0	0	2.469	4.437	8.866	22.355	36.893	32.809
16.225	0	0	2.041	3.543	7.807	20.804	35.59	28.032
6.97	0	0	0.389	0.664	16.751	62.13	135.574	72.748
0	0	0	0	0	0	0	0	0
7.474	0	0	0.44	0.746	18.581	68.648	149.39	79.783
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
7.986	0	0	0.475	0.801	21.243	78.339	170.177	90.158
5.898	0	0	0.756	1.168	1.913	4.851	8.171	6.99
3.195	0	0	0.285	0.488	6.043	21.673	46.277	26.196
5.39	0	0	0.429	0.745	4.972	17.149	35.712	21.226
0.148	0	0	0.069	0.118	0.269	0.705	1.231	0.888

34.598	34.134	32.651	29.008	28.632	29.198	30.094	31.601	33.471
39.316	39.055	37.866	34.303	34.373	35.495	36.708	38.619	40.93
24.52	24.241	23.385	20.931	20.816	21.338	22.015	23.131	24.517
39.219	38.999	37.854	34.311	34.388	35.52	36.739	38.654	40.971
4.963	4.691	4.255	3.526	3.293	3.275	3.345	3.516	3.741
138.734	129.663	109.358	78.786	63.136	52.327	50.712	51.426	53.608
28.064	27.884	27.068	24.543	24.609	25.396	26.264	27.633	29.299
28.751	28.399	27.367	24.511	24.361	25.023	25.828	27.151	28.789
33.243	32.921	31.827	28.72	28.683	29.572	30.595	32.213	34.192
35.574	35.302	34.203	30.943	30.963	31.922	33.02	34.753	36.863
29.039	28.639	27.572	24.785	24.67	25.42	26.309	27.723	29.464
37.976	37.732	36.594	33.128	33.173	34.259	35.433	37.281	39.521
38.007	37.75	36.601	33.107	33.134	34.146	35.309	37.148	39.38
15.188	14.578	13.552	11.444	10.777	10.622	10.893	11.475	12.228
13.2	12.852	12.012	9.828	9.075	8.591	8.657	8.975	9.433
10.241	9.943	9.348	7.838	7.369	7.057	7.19	7.524	7.962
16.461	16.858	16.943	14.754	14.227	12.969	13.309	13.952	14.757
25.214	24.003	22.156	18.896	17.874	18.14	18.778	19.926	21.407
17.822	17.148	15.942	13.205	12.324	12.079	12.28	12.855	13.635
8.613	9.859	11.207	9.697	9.151	5.052	5.198	5.467	5.811
0	0	0	0	0	0	0	0	0
9.419	10.755	12.195	10.533	9.927	5.475	5.624	5.9	6.255
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
10.339	11.826	13.431	11.587	10.904	5.902	6.055	6.338	6.705
4.941	4.925	4.722	4.075	3.967	4.06	4.168	4.408	4.708
4.639	4.977	5.231	4.272	3.883	2.385	2.427	2.565	2.743
5.331	5.627	5.84	5.057	4.838	3.891	3.993	4.208	4.48
0.503	0.453	0.401	0.313	0.269	0.234	0.214	0.21	0.206

34.985	37.261	39.954	42.976	45.89	48.778	49.708	52.514	54.372
42.787	45.546	48.842	52.576	56.24	59.927	61.292	65.068	67.747
25.599	27.266	29.235	31.449	33.569	35.691	36.198	38.209	39.349
42.829	45.591	48.895	52.65	56.347	60.085	61.497	65.37	68.168
3.89	4.148	4.475	4.838	5.162	5.458	5.417	5.644	5.715
56.242	60.283	64.482	68.185	70.098	69.149	64.072	58.158	50.813
30.631	32.631	34.999	37.676	40.289	42.958	43.951	46.629	48.461
30.076	32.032	34.349	36.964	39.494	42.016	42.735	45.162	46.707
35.78	38.143	40.946	44.126	47.247	50.418	51.63	54.844	57.152
38.562	41.082	44.078	47.472	50.807	54.179	55.469	58.91	61.38
30.859	32.94	35.4	38.191	40.931	43.731	44.849	47.658	49.698
41.309	43.966	47.147	50.763	54.317	57.905	59.215	62.901	65.541
41.167	43.826	46.999	50.595	54.123	57.673	58.955	62.575	65.133
12.725	13.571	14.634	15.892	17.095	18.286	18.5	19.609	20.398
9.696	10.239	10.934	11.743	12.433	12.961	12.31	12.643	12.422
8.236	8.73	9.36	10.095	10.762	11.364	11.175	11.69	11.848
15.301	16.158	17.235	18.571	19.887	21.166	21.145	22.484	23.408
22.492	24.208	26.291	28.784	31.299	34.035	35.517	38.332	41.033
14.114	15.008	16.132	17.447	18.631	19.685	19.143	19.973	20.066
6.068	6.419	6.805	7.254	7.716	8.188	8.361	8.847	9.242
0	0	0	0	0	0	0	0	0
6.519	6.888	7.295	7.767	8.249	8.741	8.91	9.419	9.834
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
6.978	7.364	7.787	8.277	8.777	9.288	9.476	10.007	10.455
4.915	5.244	5.663	6.184	6.702	7.222	7.025	7.914	8.337
2.878	3.067	3.281	3.527	3.742	3.896	3.714	3.759	3.639
4.676	4.959	5.303	5.722	6.133	6.525	6.451	6.862	7.049
0.191	0.18	0.18	0.184	0.18	0.162	0.085	0.019	-0.088

	Captains&oth officers, fishing vessels	1.31	0.394	-0.007	0	0	0.115
	Net, trap & line fishing	0.33	0.302	0.062	0	0	0.056
	Trapping & rltd	0.206	0.134	-0.127	0	0	0.034
	Fishing, trapping & rltd, nec	1.422	0.969	0.867	0	0	0.124
Forestry	FORESTRY & LOGGING	11.989	2.39	1.415	0	0	0.23
	Foremen/women:Forestry & logging	7.904	1.027	-0.148	0	0	0.433
	Forestry conservation	1.015	0.462	0.386	0	0	0.073
	Timber cutting & rltd	18.645	3.89	2.658	0	0	0.289
	Log inspecting,grading,scal,rltd occs	17.532	2.501	0.689	0	0	0.479
	Log hoisting, sorting, moving&rltd occs	12.882	3.701	2.627	0	0	0.409
	Labour&oth elem work:forestry & logging	11.326	2.18	1.526	0	0	0.073
	Forestry & logging, nec	33.704	4.644	1.124	0	0	0.265
Mining	MINING & QUARRYING INCLUDING OIL & GAS FIELD	4.616	2.698	3.539	0	0	0.08
	Foremn/wn:Mining & quarrying, incl oil & gas field occs	3.203	1.612	1.883	0	0	0.116
	Rotary well-drilling & rltd	2.294	0.748	0.826	0	0	0.058
	Rock & soil drilling	10.971	2.406	1.912	0	0	0.088
	Blasting	22.351	3.478	1.743	0	0	0.172
	Min&quarry:cutting,handling,load occs	3.307	0.547	0.288	0	0	0.029
	Labouring & oth element work:min&quarry	5.53	8.804	13.036	0	0	0.068
	Mining&quarrying,inc oil&gas field, nec	2.954	4.917	7.781	0	0	0.114
Processing	PROCESSING	20.462	21.283	28.676	0	0	2.111
	Mineral Ore Treating Occupations	4.363	0.814	0.455	0	0	0.161
	Foremen/women:Mineral ore treating	3.852	0.2	-0.292	0	0	0.273
	Crushing & grinding, mineral ores	4.232	0.752	0.564	0	0	0.08
	Mixing,separating,filter&rltd,min ores	3.829	1.184	0.87	0	0	0.271
	Melting & roasting, mineral ores	0.168	-0.003	0.062	0	0	-0.076
	Inspect,test,grad&sampl occs:min ores	0.369	0.06	0.141	0	0	0.004
	Labour&oth elemental work:mineral ores	8.53	1.507	0.395	0	0	0.257
	Mineral ore treating, nec	4.461	2.489	2.316	0	0	0.633
	Metal Processing & Related Occupations	32.432	7.347	5.994	0	0	0.54
	Foremn/wn:metal processing & rltd occs	33.589	4.099	2.596	0	0	0.325
	Metal smelt, convert & refining occs	30.376	4.216	1.148	0	0	0.445
	Metal heat-treating	51.399	6.19	0.357	0	0	0.328
	Metal rolling	45.269	9.014	5.73	0	0	1.522
	Moulding, coremaking & metal casting	35.506	4.502	3.798	0	0	0.139
	Metal extruding & drawing	26.407	24.712	26.975	0	0	1.121
	Plating, metal spraying & rltd	14.973	6.735	8.04	0	0	0.758
	Insp,test,grad&sampl occs, metal proc	33.682	23.36	23.984	0	0	1.323
	Labour & oth elemental work:metal proc	26.567	3.314	2.632	0	0	0.331
	Metal processing & rltd, nec	34.325	5.403	3.534	0	0	0.472

0.172	0.554	1.695	3.324	1.969	0.552	0.495	0.43	0.281	0.213	0.114	0.091	0.084	0.078
0.095	0.18	0.423	0.672	0.548	0.403	0.357	0.311	0.24	0.201	0.177	0.155	0.147	0.138
0.063	0.124	0.272	0.425	0.313	0.214	0.174	0.137	0.089	0.055	0.029	0.007	-0.006	-0.021
0.229	0.646	1.821	3.338	2.328	1.152	1.079	0.998	0.839	0.777	0.719	0.718	0.742	0.774
0.353	4.326	15.35	32.68	17.93	2.396	2.583	2.773	2.215	1.985	0.996	1.01	1.072	1.153
0.585	3.018	10.15	21.11	11.48	1.4	1.341	1.256	0.69	0.443	-0.17	-0.2	-0.18	-0.146
0.154	0.48	1.301	2.468	1.564	0.561	0.525	0.481	0.391	0.353	0.302	0.304	0.318	0.335
0.435	6.585	23.68	50.86	27.83	3.725	4.105	4.485	3.719	3.416	1.878	1.919	2.026	2.162
0.652	6.216	22.23	48.09	25.87	2.606	2.809	3.021	2.209	1.866	0.467	0.454	0.498	0.564
0.631	5.15	17.17	33.87	19.2	4.179	4.215	4.177	3.176	2.746	1.691	1.715	1.856	2.028
0.143	3.929	14.38	31.32	17.06	1.93	2.213	2.542	2.175	2.04	1.088	1.119	1.177	1.249
0.379	11.61	42.83	93.11	49.08	4.195	4.896	5.7	4.49	3.938	0.986	0.967	1.009	1.081
0.121	1.594	5.367	12.36	7.465	2.156	2.51	2.849	2.944	3.143	2.943	3.034	3.247	3.408
0.164	1.17	3.741	8.462	5.075	1.394	1.572	1.719	1.677	1.738	1.566	1.618	1.753	1.851
0.076	0.79	2.704	6.104	3.525	0.603	0.71	0.822	0.81	0.84	0.613	0.626	0.7	0.77
0.129	3.757	13.53	29.88	16.58	1.946	2.351	2.786	2.53	2.469	1.387	1.449	1.592	1.715
0.238	7.586	27.99	61.45	33.24	2.951	3.551	4.207	3.494	3.193	1.046	1.112	1.251	1.39
0.083	1.378	4.159	9.056	5.036	0.644	0.699	0.692	0.426	0.264	-0.016	0.062	0.162	0.209
0.115	1.64	5.467	14.59	10.62	6.758	7.856	8.932	9.899	10.97	11.53	11.77	12.32	12.72
0.163	0.942	2.867	7.55	5.61	3.78	4.392	4.983	5.548	6.217	6.621	6.802	7.259	7.617
3.634	8.909	24.93	45.94	35.95	21.97	22.28	22.18	20.04	19.91	20.37	21.07	22.22	23.51
0.275	1.886	5.565	11.72	6.672	1.14	1.116	0.999	0.547	0.286	0.08	0.168	0.287	0.35
0.391	1.769	4.908	10.22	5.629	0.704	0.577	0.353	-0.145	-0.464	-0.532	-0.461	-0.357	-0.309
0.166	1.774	5.369	11.6	6.541	0.979	0.994	0.932	0.556	0.317	0.118	0.218	0.343	0.408
0.44	1.857	4.945	9.742	5.87	1.668	1.57	1.346	0.81	0.562	0.415	0.513	0.653	0.731
-0.048	0.253	0.126	0.49	0.263	0.129	0.119	0.049	-0.099	-0.201	-0.177	-0.096	-0.014	0.015
0.052	0.405	0.434	0.82	0.489	0.222	0.195	0.108	-0.049	-0.179	-0.118	-0.046	0.039	0.074
0.41	3.301	10.86	23.15	13.08	1.839	1.895	1.847	1.167	0.791	0.18	0.236	0.341	0.401
1.015	2.693	6.244	9.623	6.724	3.724	3.389	2.69	1.599	1.214	1.271	1.462	1.69	1.834
0.798	11.5	41.09	88.82	48.8	7.973	8.253	8.543	6.696	5.304	5.555	5.571	5.677	5.811
0.473	11.93	43.37	93.43	49.58	4.995	5.103	5.337	3.408	1.741	1.996	2.045	2.153	2.274
0.652	10.63	38.82	84.05	45.07	4.525	4.892	5.241	3.705	2.777	1.051	1.054	1.129	1.195
0.67	18.25	66.05	140.9	73.78	7.213	7.629	7.997	5.06	3.119	0.885	0.777	0.756	0.787
2.142	16.53	57.77	121.5	65.94	10.11	10.35	10.4	7.78	6.509	4.222	4.287	4.538	4.821
0.247	12.51	45.81	99	52.54	5.35	5.524	5.872	3.88	1.983	2.776	2.859	2.989	3.149
1.601	8.961	29.57	69.39	45.42	22.69	24.19	25.6	25.3	25.83	29.1	29.06	29.26	29.38
1.311	6.222	19.42	37.65	24.91	10.46	9.281	7.8	4.659	1.8	6.287	6.336	6.508	6.782
1.787	11.41	39.02	89.53	54.89	21.16	22.8	24.32	23.96	24.59	25.53	25.45	25.59	25.67
0.493	9.762	34.69	73.49	39.66	5.411	4.947	4.499	2.123	-0.23	2.132	2.14	2.208	2.305
0.679	12.01	43.56	94.09	50.55	5.621	6.08	6.595	4.927	3.774	2.507	2.566	2.729	2.93

0.06	0.048	0.047	0.049	0.037	0.005	-0.138	-0.192	-0.34	1.31	0.394
0.119	0.103	0.096	0.092	0.081	0.056	-0.02	-0.096	-0.208	0.33	0.302
-0.043	-0.066	-0.084	-0.102	-0.127	-0.166	-0.241	-0.33	-0.45	0.206	0.134
0.784	0.815	0.862	0.923	0.976	1.018	0.986	0.981	0.939	1.422	0.969
1.216	1.314	1.429	1.559	1.672	1.765	1.647	1.775	1.747	11.989	2.39
-0.129	-0.08	-0.015	0.05	0.073	0.054	-0.418	-0.249	-0.51	7.904	1.027
0.344	0.362	0.387	0.415	0.439	0.459	0.429	0.46	0.451	1.015	0.462
2.272	2.433	2.623	2.836	3.036	3.222	3.168	3.404	3.481	18.645	3.89
0.602	0.686	0.788	0.893	0.964	1.003	0.549	0.834	0.643	17.532	2.501
2.193	2.41	2.673	2.973	3.232	3.421	3.273	3.35	3.269	12.882	3.701
1.31	1.394	1.488	1.597	1.707	1.816	1.853	1.953	2.02	11.326	2.18
1.115	1.193	1.279	1.366	1.416	1.412	1.023	1.037	0.736	33.704	4.644
3.527	3.637	3.737	3.831	3.899	3.906	3.74	3.731	3.624	4.616	2.698
1.917	1.983	2.051	2.118	2.157	2.134	1.881	1.882	1.712	3.203	1.612
0.823	0.883	0.929	0.965	0.993	1.006	0.872	0.928	0.847	2.294	0.748
1.799	1.896	2.002	2.121	2.225	2.285	2.161	2.235	2.193	10.971	2.406
1.487	1.621	1.778	1.959	2.127	2.258	2.104	2.324	2.33	22.351	3.478
0.221	0.238	0.297	0.397	0.481	0.494	0.44	0.393	0.371	3.307	0.547
13.06	13.31	13.5	13.65	13.76	13.77	13.605	13.532	13.425	5.53	8.804
7.904	8.158	8.331	8.433	8.474	8.418	8.096	7.969	7.679	2.954	4.917
24.51	25.93	27.67	29.86	32.11	34.41	34.946	37.474	39.559	20.462	21.283
0.367	0.399	0.484	0.619	0.726	0.745	0.585	0.569	0.494	4.363	0.814
-0.309	-0.29	-0.221	-0.112	-0.041	-0.063	-0.34	-0.313	-0.457	3.852	0.2
0.43	0.462	0.546	0.682	0.801	0.845	0.798	0.799	0.817	4.232	0.752
0.768	0.822	0.937	1.115	1.251	1.278	1.012	0.964	0.788	3.829	1.184
0.017	0.018	0.056	0.131	0.195	0.201	0.188	0.133	0.139	0.168	-0.003
0.08	0.085	0.128	0.21	0.281	0.295	0.293	0.245	0.257	0.369	0.06
0.398	0.423	0.503	0.629	0.71	0.677	0.33	0.27	0.045	8.53	1.507
1.93	2.036	2.279	2.627	2.899	3.036	2.795	2.92	2.928	4.461	2.489
5.887	6.012	6.166	6.369	6.513	6.555	5.973	6.053	5.729	32.432	7.347
2.364	2.491	2.643	2.837	3.006	3.119	2.862	2.962	2.825	33.589	4.099
1.203	1.262	1.351	1.459	1.51	1.46	0.908	0.887	0.497	30.376	4.216
0.771	0.803	0.874	0.941	0.875	0.646	-0.515	-0.819	-1.834	51.399	6.19
5.04	5.413	5.893	6.435	6.863	7.171	6.056	6.846	6.546	45.269	9.014
3.264	3.423	3.617	3.879	4.153	4.421	4.521	4.835	5.148	35.506	4.502
29.34	29.18	28.86	28.54	27.92	26.73	23.785	21.74	18.528	26.407	24.712
6.997	7.339	7.777	8.357	8.898	9.344	9.286	9.773	10.215	14.973	6.735
25.61	25.49	25.31	25.13	24.71	23.91	21.281	20.455	18.24	33.682	23.36
2.383	2.502	2.653	2.838	2.991	3.087	2.869	2.991	2.929	26.567	3.314
3.068	3.283	3.536	3.829	4.097	4.326	4.017	4.432	4.468	34.325	5.403

-0.007	0	0	0.115	0.172	0.554	1.695	3.324	1.969
0.062	0	0	0.056	0.095	0.18	0.423	0.672	0.548
-0.127	0	0	0.034	0.063	0.124	0.272	0.425	0.313
0.867	0	0	0.124	0.229	0.646	1.821	3.338	2.328
1.415	0	0	0.23	0.353	4.326	15.348	32.682	17.927
-0.148	0	0	0.433	0.585	3.018	10.147	21.113	11.484
0.386	0	0	0.073	0.154	0.48	1.301	2.468	1.564
2.658	0	0	0.289	0.435	6.585	23.681	50.859	27.828
0.689	0	0	0.479	0.652	6.216	22.232	48.086	25.866
2.627	0	0	0.409	0.631	5.15	17.165	33.872	19.202
1.526	0	0	0.073	0.143	3.929	14.381	31.321	17.062
1.124	0	0	0.265	0.379	11.608	42.83	93.11	49.078
3.539	0	0	0.08	0.121	1.594	5.367	12.36	7.465
1.883	0	0	0.116	0.164	1.17	3.741	8.462	5.075
0.826	0	0	0.058	0.076	0.79	2.704	6.104	3.525
1.912	0	0	0.088	0.129	3.757	13.528	29.881	16.579
1.743	0	0	0.172	0.238	7.586	27.989	61.448	33.244
0.288	0	0	0.029	0.083	1.378	4.159	9.056	5.036
13.036	0	0	0.068	0.115	1.64	5.467	14.585	10.615
7.781	0	0	0.114	0.163	0.942	2.867	7.55	5.61
28.676	0	0	2.111	3.634	8.909	24.932	45.936	35.951
0.455	0	0	0.161	0.275	1.886	5.565	11.715	6.672
-0.292	0	0	0.273	0.391	1.769	4.908	10.216	5.629
0.564	0	0	0.08	0.166	1.774	5.369	11.602	6.541
0.87	0	0	0.271	0.44	1.857	4.945	9.742	5.87
0.062	0	0	-0.076	-0.048	0.253	0.126	0.49	0.263
0.141	0	0	0.004	0.052	0.405	0.434	0.82	0.489
0.395	0	0	0.257	0.41	3.301	10.859	23.149	13.076
2.316	0	0	0.633	1.015	2.693	6.244	9.623	6.724
5.994	0	0	0.54	0.798	11.504	41.087	88.816	48.798
2.596	0	0	0.325	0.473	11.932	43.371	93.43	49.575
1.148	0	0	0.445	0.652	10.626	38.816	84.045	45.066
0.357	0	0	0.328	0.67	18.252	66.054	140.906	73.775
5.73	0	0	1.522	2.142	16.526	57.769	121.515	65.943
3.798	0	0	0.139	0.247	12.513	45.805	99.001	52.535
26.975	0	0	1.121	1.601	8.961	29.572	69.387	45.424
8.04	0	0	0.758	1.311	6.222	19.419	37.646	24.913
23.984	0	0	1.323	1.787	11.407	39.024	89.532	54.89
2.632	0	0	0.331	0.493	9.762	34.694	73.492	39.662
3.534	0	0	0.472	0.679	12.012	43.559	94.085	50.547

0.552	0.495	0.43	0.281	0.213	0.114	0.091	0.084	0.078
0.403	0.357	0.311	0.24	0.201	0.177	0.155	0.147	0.138
0.214	0.174	0.137	0.089	0.055	0.029	0.007	-0.006	-0.021
1.152	1.079	0.998	0.839	0.777	0.719	0.718	0.742	0.774
2.396	2.583	2.773	2.215	1.985	0.996	1.01	1.072	1.153
1.4	1.341	1.256	0.69	0.443	-0.17	-0.2	-0.18	-0.146
0.561	0.525	0.481	0.391	0.353	0.302	0.304	0.318	0.335
3.725	4.105	4.485	3.719	3.416	1.878	1.919	2.026	2.162
2.606	2.809	3.021	2.209	1.866	0.467	0.454	0.498	0.564
4.179	4.215	4.177	3.176	2.746	1.691	1.715	1.856	2.028
1.93	2.213	2.542	2.175	2.04	1.088	1.119	1.177	1.249
4.195	4.896	5.7	4.49	3.938	0.986	0.967	1.009	1.081
2.156	2.51	2.849	2.944	3.143	2.943	3.034	3.247	3.408
1.394	1.572	1.719	1.677	1.738	1.566	1.618	1.753	1.851
0.603	0.71	0.822	0.81	0.84	0.613	0.626	0.7	0.77
1.946	2.351	2.786	2.53	2.469	1.387	1.449	1.592	1.715
2.951	3.551	4.207	3.494	3.193	1.046	1.112	1.251	1.39
0.644	0.699	0.692	0.426	0.264	-0.016	0.062	0.162	0.209
6.758	7.856	8.932	9.899	10.968	11.528	11.766	12.315	12.723
3.78	4.392	4.983	5.548	6.217	6.621	6.802	7.259	7.617
21.967	22.278	22.183	20.037	19.913	20.366	21.068	22.215	23.511
1.14	1.116	0.999	0.547	0.286	0.08	0.168	0.287	0.35
0.704	0.577	0.353	-0.145	-0.464	-0.532	-0.461	-0.357	-0.309
0.979	0.994	0.932	0.556	0.317	0.118	0.218	0.343	0.408
1.668	1.57	1.346	0.81	0.562	0.415	0.513	0.653	0.731
0.129	0.119	0.049	-0.099	-0.201	-0.177	-0.096	-0.014	0.015
0.222	0.195	0.108	-0.049	-0.179	-0.118	-0.046	0.039	0.074
1.839	1.895	1.847	1.167	0.791	0.18	0.236	0.341	0.401
3.724	3.389	2.69	1.599	1.214	1.271	1.462	1.69	1.834
7.973	8.253	8.543	6.696	5.304	5.555	5.571	5.677	5.811
4.995	5.103	5.337	3.408	1.741	1.996	2.045	2.153	2.274
4.525	4.892	5.241	3.705	2.777	1.051	1.054	1.129	1.195
7.213	7.629	7.997	5.06	3.119	0.885	0.777	0.756	0.787
10.109	10.348	10.402	7.78	6.509	4.222	4.287	4.538	4.821
5.35	5.524	5.872	3.88	1.983	2.776	2.859	2.989	3.149
22.692	24.185	25.598	25.3	25.827	29.099	29.062	29.263	29.375
10.457	9.281	7.8	4.659	1.8	6.287	6.336	6.508	6.782
21.156	22.8	24.323	23.963	24.588	25.526	25.447	25.591	25.671
5.411	4.947	4.499	2.123	-0.23	2.132	2.14	2.208	2.305
5.621	6.08	6.595	4.927	3.774	2.507	2.566	2.729	2.93

0.06	0.048	0.047	0.049	0.037	0.005	-0.138	-0.192	-0.34
0.119	0.103	0.096	0.092	0.081	0.056	-0.02	-0.096	-0.208
-0.043	-0.066	-0.084	-0.102	-0.127	-0.166	-0.241	-0.33	-0.45
0.784	0.815	0.862	0.923	0.976	1.018	0.986	0.981	0.939
1.216	1.314	1.429	1.559	1.672	1.765	1.647	1.775	1.747
-0.129	-0.08	-0.015	0.05	0.073	0.054	-0.418	-0.249	-0.51
0.344	0.362	0.387	0.415	0.439	0.459	0.429	0.46	0.451
2.272	2.433	2.623	2.836	3.036	3.222	3.168	3.404	3.481
0.602	0.686	0.788	0.893	0.964	1.003	0.549	0.834	0.643
2.193	2.41	2.673	2.973	3.232	3.421	3.273	3.35	3.269
1.31	1.394	1.488	1.597	1.707	1.816	1.853	1.953	2.02
1.115	1.193	1.279	1.366	1.416	1.412	1.023	1.037	0.736
3.527	3.637	3.737	3.831	3.899	3.906	3.74	3.731	3.624
1.917	1.983	2.051	2.118	2.157	2.134	1.881	1.882	1.712
0.823	0.883	0.929	0.965	0.993	1.006	0.872	0.928	0.847
1.799	1.896	2.002	2.121	2.225	2.285	2.161	2.235	2.193
1.487	1.621	1.778	1.959	2.127	2.258	2.104	2.324	2.33
0.221	0.238	0.297	0.397	0.481	0.494	0.44	0.393	0.371
13.055	13.312	13.504	13.654	13.76	13.772	13.605	13.532	13.425
7.904	8.158	8.331	8.433	8.474	8.418	8.096	7.969	7.679
24.508	25.927	27.667	29.861	32.106	34.407	34.946	37.474	39.559
0.367	0.399	0.484	0.619	0.726	0.745	0.585	0.569	0.494
-0.309	-0.29	-0.221	-0.112	-0.041	-0.063	-0.34	-0.313	-0.457
0.43	0.462	0.546	0.682	0.801	0.845	0.798	0.799	0.817
0.768	0.822	0.937	1.115	1.251	1.278	1.012	0.964	0.788
0.017	0.018	0.056	0.131	0.195	0.201	0.188	0.133	0.139
0.08	0.085	0.128	0.21	0.281	0.295	0.293	0.245	0.257
0.398	0.423	0.503	0.629	0.71	0.677	0.33	0.27	0.045
1.93	2.036	2.279	2.627	2.899	3.036	2.795	2.92	2.928
5.887	6.012	6.166	6.369	6.513	6.555	5.973	6.053	5.729
2.364	2.491	2.643	2.837	3.006	3.119	2.862	2.962	2.825
1.203	1.262	1.351	1.459	1.51	1.46	0.908	0.887	0.497
0.771	0.803	0.874	0.941	0.875	0.646	-0.515	-0.819	-1.834
5.04	5.413	5.893	6.435	6.863	7.171	6.056	6.846	6.546
3.264	3.423	3.617	3.879	4.153	4.421	4.521	4.835	5.148
29.339	29.181	28.856	28.543	27.916	26.725	23.785	21.74	18.528
6.997	7.339	7.777	8.357	8.898	9.344	9.286	9.773	10.215
25.608	25.489	25.306	25.129	24.709	23.912	21.281	20.455	18.24
2.383	2.502	2.653	2.838	2.991	3.087	2.869	2.991	2.929
3.068	3.283	3.536	3.829	4.097	4.326	4.017	4.432	4.468

Yukon Occupation Impact Govt	2002-07	2008-12	2013-25	2000	2001	2002
	Average % Impact					
Clay, Glass & Stone Processing, Forming & Related Occupations	28.484	5.385	3.899	0	0	0.194
Foremn/wn:Clay,glass&stone pro,form&rlt	25.082	4.248	2.821	0	0	0.063
Furnace & kiln workers:clay,glass&stone	19.098	12.139	16.19	0	0	1.118
Separ,grind,crush&mix:clay,glass&stone	20.8	3.683	2.584	0	0	-0.029
Forming:Clay, glass & stone	49.602	9.162	6.782	0	0	0.486
Insp,test,grad&sampl:clay,glass&stone	32.146	2.848	-2.042	0	0	0.303
Labour&oth elem work:clay,glass & stone	46.174	7.696	5.016	0	0	0.437
Clay,glass&stone proc, form&rltd, nec	47.327	9.988	7.194	0	0	0.904
Chemicals, Petroleum, Rubber, Plastic &	20.564	17.073	14.617	0	0	2.264
Related Materials Processing Occupations						
Foremn/wen:chem,ptrlm,rbbr&plstic proc	19.688	29.05	33.916	0	0	2.278
Mixing & blending occs, chem&rltd mat	21.278	4.525	-3.566	0	0	2.281
Filter, strain&separating,chem&rltd mat	4.854	2.078	0.59	0	0	1
Distil,sublim,carbonizing,chem&rltd mat	30.355	70.94	103.595	0	0	2.13
Roasting, cooking&drying,chem&rltd mat	13.369	4.105	2.706	0	0	0.595
Crushing&grinding, chemicals&rltd mat	43.682	1.084	-13.118	0	0	2.212
Coating&calendering, chemicals&rltd mat	32.434	-10.945	-35.346	0	0	4.756
Insp,test,grad&sampling:chem&rltd mat	9.395	17.059	22.718	0	0	1.158
Labour&oth elemental work:chem&rltd mat	27.033	-10.784	-34.674	0	0	3.616
Chemicals&rltd materials proc occs, nec	22.868	8.063	-0.68	0	0	2.857
Food, Beverage & Related Processing Occupations	19.935	33.473	50.419	0	0	3.081
Foremn/wn:food,bev&rltd processing occs	18.565	32.349	48.893	0	0	2.99
Flour & grain milling	4.071	3.699	4.376	0	0	0.841
Baking, confectionery making&rltd occs	22.168	36.721	55.966	0	0	3.429
Slaughter&meat cut,can,cure&pack occs	25.61	47.6	76.443	0	0	4.081
Fish canning, curing & packing	3.429	5.254	7.286	0	0	0.54
Fruit & veg canning, preserv&pack occs	6.801	8.783	9.561	0	0	0.989
Milk processing & rltd	16.035	13.901	17.274	0	0	1.625
Sugar processing & rltd	0.326	0.638	0.91	0	0	0.041
Insp, test, grading&sampling:food&bev	4.187	6.399	7.054	0	0	0.516
Beverage processing & rltd	5.771	8.331	11.383	0	0	0.851
Labouring&oth elemental work:food&bev	15.13	20.344	27.626	0	0	2.149
Food, bev & rltd processing occs, nec	12.514	12.668	15.872	0	0	1.332
Wood Processing Occupations, Except Pulp & Papermaking	11.38	2.861	2.433	0	0	0.151
Foremn/wn:wood proc, except pulp&paper	7.306	4.729	5.965	0	0	0.393
Sawmill sawyers & rltd	11.33	2.988	2.955	0	0	0.117
Plywood making & rltd	7.062	1.147	0.672	0	0	0.005

2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
										% Impact			
0.361	9.735	35.94	78.06	42.14	4.98	5.599	6.292	5.226	4.818	2.721	2.819	2.997	3.206
0.123	8.414	31.67	69.64	37.23	3.698	4.328	5.036	4.241	3.931	1.893	1.961	2.08	2.225
1.957	7.474	23.68	46.37	30.64	12.26	12.72	12.95	11.54	11.22	11.19	11.55	12.14	12.84
0.003	6.918	26.29	58.28	31.34	3.132	3.706	4.352	3.725	3.495	1.708	1.787	1.901	2.031
0.826	16.97	61.77	132.3	70.26	8.552	9.55	10.64	8.874	8.183	4.928	5.074	5.366	5.718
0.486	11.25	40.95	87.36	45.34	3.288	3.496	3.832	2.186	1.437	-0.92	-0.975	-0.96	-0.958
0.736	15.8	57.66	123.4	65.24	7.323	8.131	9.051	7.354	6.62	3.664	3.772	4.015	4.299
1.527	16.79	59.37	125.5	68.25	10.23	10.84	11.5	9.154	8.23	5.488	5.647	5.997	6.405
3.273	8.959	24.77	49.17	32.29	17.8	17.77	17.49	15.71	16.49	17.32	17.71	18.63	19.01
3.222	8.146	21.58	46.19	33.98	26.39	27.95	29.27	29.6	32.45	35.01	35.89	37.75	38.7
3.517	10.26	28.68	50.4	30.02	9.339	7.499	5.236	0.862	-0.616	-1.356	-1.211	-0.787	-0.562
1.382	2.684	6.595	10.28	6.526	3.309	2.917	2.214	1.019	0.591	0.643	0.67	0.823	0.907
2.931	9.525	28.34	73.43	60.88	56.33	64.13	71.43	78.41	86.64	92.63	94.63	98.57	101.2
0.875	5.478	17.56	34.26	19.36	4.399	4.546	4.561	3.588	3.327	2.299	2.401	2.648	2.795
3.604	18.02	57.58	113.4	60.85	7.5	4.903	2.271	-3.45	-5.474	-8.26	-8.305	-8.077	-7.982
7.348	18.41	46.97	75.98	39.94	4.658	-3.27	-10.61	-20.54	-23.43	-23.17	-23.08	-22.49	-22.38
1.59	3.509	9.333	22	17.34	14.58	15.93	17.15	18.09	20.16	22.07	22.54	23.78	24.63
5.376	14.49	38.63	65.27	32.23	0.548	-5.085	-10.47	-18.21	-20.61	-22.09	-22.2	-22.08	-22.47
4.137	10.87	29.74	54.68	32.48	12.17	10.46	8.53	4.737	4.17	3.95	4.178	4.783	4.878
5.48	9.657	23.63	37.95	39.27	34.08	34.62	34.61	31.9	32.1	33.54	34.92	36.92	39.32
5.273	9.024	21.87	34.72	36.92	32.7	33.35	33.46	30.97	31.24	32.69	34.04	36	38.31
1.204	1.93	4.979	8.613	6.744	4.249	4.165	3.865	3.19	3.028	3.061	3.128	3.312	3.543
6.137	10.84	26.42	42.31	43.54	37.86	38.18	37.9	34.73	34.83	36.45	38.04	40.32	43.07
7.218	12.26	29.78	47.59	52.04	46.86	48.4	49.28	46.21	47.22	49.77	52.12	55.33	59.04
0.966	1.7	4.12	6.409	6.499	5.536	5.533	5.423	4.924	4.866	5.033	5.185	5.453	5.771
1.722	3.381	8.531	13.48	12.41	10	9.789	9.178	7.721	7.239	7.353	7.49	7.827	8.27
2.752	7.179	20.21	36.36	27.02	15.04	15	14.56	12.62	12.29	12.13	12.6	13.34	14.17
0.028	0.099	0.394	0.758	0.612	0.553	0.657	0.664	0.656	0.657	0.659	0.681	0.715	0.753
0.888	1.87	4.823	8.992	7.877	6.413	6.576	6.591	6.177	6.238	6.414	6.42	6.511	6.64
1.508	2.809	6.987	11.29	10.9	8.976	8.883	8.577	7.707	7.509	7.887	8.157	8.608	9.148
3.819	7.345	18.46	30.32	28.09	21.92	21.67	21	18.73	18.35	18.87	19.56	20.68	22.03
2.304	5.555	15.44	27.63	21.83	13.22	13.42	13.33	11.81	11.57	11.6	11.94	12.54	13.24
0.238	3.976	14.39	31.19	17.4	2.646	2.963	3.255	2.803	2.64	1.72	1.764	1.849	1.957
0.659	2.832	9.124	18.31	12	4.626	4.899	5.043	4.568	4.507	4.193	4.329	4.541	4.791
0.201	3.913	14.22	30.99	17.38	2.588	2.98	3.385	3.041	2.952	2.006	2.074	2.193	2.333
0.014	2.4	8.972	19.82	10.68	0.939	1.145	1.376	1.181	1.096	0.482	0.495	0.518	0.547

2017	2018	2019	2020	2021	2022	2023	2024	2025	7-Feb	12-Aug
									Average % Im	
3.383	3.625	3.891	4.211	4.524	4.808	4.756	4.956	5	28.484	5.385
2.349	2.525	2.728	2.963	3.21	3.468	3.516	3.89	4.138	25.082	4.248
13.38	14.17	15.17	16.47	17.88	19.41	20.132	22.109	23.993	19.098	12.139
2.149	2.311	2.497	2.71	2.936	3.177	3.291	3.608	3.876	20.8	3.683
5.996	6.362	6.745	7.219	7.688	8.116	8.061	8.261	8.311	49.602	9.162
-0.962	-0.985	-1.083	-1.224	-1.522	-2.087	-3.339	-4.777	-6.75	32.146	2.848
4.514	4.794	5.083	5.441	5.782	6.061	5.925	5.909	5.734	46.174	7.696
6.717	7.134	7.556	8.096	8.552	8.823	8.122	7.786	7.011	47.327	9.988
19.52	19.76	19.54	19.14	17.9	15.31	9.334	2.683	-6.403	20.564	17.073
39.75	40.32	40.18	39.7	38.22	35.15	28.554	20.65	10.399	19.688	29.05
-0.22	0.057	0.117	0.151	-0.517	-2.31	-7.112	-12.38	-19.68	21.278	4.525
1.015	1.175	1.39	1.63	1.648	1.387	-0.433	-0.802	-2.404	4.854	2.078
103.5	105.6	107.1	108.3	108.9	109	107.23	106.86	105.91	30.355	70.94
2.987	3.188	3.396	3.631	3.714	3.559	2.541	1.745	0.456	13.369	4.105
-7.787	-7.753	-8.066	-8.566	-9.932	-12.66	-18.86	-26.14	-36.14	43.682	1.084
-21.82	-21.85	-22.97	-24.66	-28.3	-35.12	-48.72	-67.98	-93.37	32.434	-10.945
25.37	25.97	26.13	25.98	25.31	23.88	20.126	17.045	12.175	9.395	17.059
-22.37	-22.8	-24.21	-26.11	-29.71	-36.1	-48.15	-64.96	-86.93	27.033	-10.784
5.228	5.324	4.932	4.365	2.827	-0.291	-7.347	-15.49	-26.69	22.868	8.063
41.16	43.85	47.23	51.46	56.09	61.4	64.498	71.321	77.991	19.935	33.473
40.03	42.56	45.77	49.81	54.23	59.27	62.09	68.606	74.927	18.565	32.349
3.692	3.944	4.271	4.665	5.031	5.374	4.981	5.671	5.812	4.071	3.699
45.26	48.45	52.37	57.26	62.61	68.85	72.762	80.778	88.772	22.168	36.721
61.93	66.03	71.24	77.78	85.12	93.79	99.245	110.72	122.01	25.61	47.6
5.995	6.347	6.806	7.39	8.036	8.747	9.14	10.026	10.891	3.429	5.254
8.493	8.922	9.51	10.2	10.81	11.32	10.899	11.269	11.309	6.801	8.783
14.74	15.56	16.65	18.03	19.37	20.67	20.79	22.135	23.175	16.035	13.901
0.792	0.835	0.879	0.931	0.988	1.05	1.109	1.147	1.177	0.326	0.638
6.701	6.847	7.056	7.321	7.546	7.722	7.362	7.595	7.518	4.187	6.399
9.5	10.05	10.77	11.67	12.61	13.59	14.069	15.18	16.265	5.771	8.331
22.96	24.39	26.22	28.49	30.85	33.4	34.505	37.375	40.057	15.13	20.344
13.71	14.43	15.35	16.54	17.71	18.84	18.811	19.962	20.779	12.514	12.668
2.045	2.175	2.334	2.523	2.719	2.917	2.987	3.231	3.418	11.38	2.861
4.978	5.258	5.628	6.096	6.585	7.092	7.309	7.939	8.51	7.306	4.729
2.446	2.609	2.803	3.04	3.296	3.568	3.729	4.063	4.374	11.33	2.988
0.571	0.606	0.644	0.689	0.739	0.793	0.834	0.891	0.941	7.062	1.147

13-25 act	2000	2001	2002	2003	2004	2005	2006	2007
3.899	0	0	0.194	0.361	9.735	35.943	78.064	42.137
2.821	0	0	0.063	0.123	8.414	31.673	69.644	37.225
16.19	0	0	1.118	1.957	7.474	23.676	46.366	30.635
2.584	0	0	-0.029	0.003	6.918	26.286	58.276	31.343
6.782	0	0	0.486	0.826	16.971	61.77	132.294	70.255
-2.042	0	0	0.303	0.486	11.253	40.946	87.357	45.341
5.016	0	0	0.437	0.736	15.798	57.655	123.424	65.239
7.194	0	0	0.904	1.527	16.786	59.366	125.503	68.252
14.617	0	0	2.264	3.273	8.959	24.765	49.166	32.294
33.916	0	0	2.278	3.222	8.146	21.582	46.189	33.984
-3.566	0	0	2.281	3.517	10.256	28.683	50.401	30.016
0.59	0	0	1	1.382	2.684	6.595	10.277	6.526
103.595	0	0	2.13	2.931	9.525	28.34	73.428	60.88
2.706	0	0	0.595	0.875	5.478	17.563	34.255	19.359
-13.118	0	0	2.212	3.604	18.021	57.578	113.44	60.852
-35.346	0	0	4.756	7.348	18.408	46.971	75.975	39.937
22.718	0	0	1.158	1.59	3.509	9.333	22.004	17.336
-34.674	0	0	3.616	5.376	14.486	38.632	65.271	32.232
-0.68	0	0	2.857	4.137	10.871	29.735	54.682	32.477
50.419	0	0	3.081	5.48	9.657	23.628	37.946	39.268
48.893	0	0	2.99	5.273	9.024	21.868	34.717	36.921
4.376	0	0	0.841	1.204	1.93	4.979	8.613	6.744
55.966	0	0	3.429	6.137	10.84	26.421	42.308	43.538
76.443	0	0	4.081	7.218	12.261	29.783	47.594	52.038
7.286	0	0	0.54	0.966	1.7	4.12	6.409	6.499
9.561	0	0	0.989	1.722	3.381	8.531	13.479	12.408
17.274	0	0	1.625	2.752	7.179	20.208	36.364	27.018
0.91	0	0	0.041	0.028	0.099	0.394	0.758	0.612
7.054	0	0	0.516	0.888	1.87	4.823	8.992	7.877
11.383	0	0	0.851	1.508	2.809	6.987	11.288	10.904
27.626	0	0	2.149	3.819	7.345	18.461	30.323	28.09
15.872	0	0	1.332	2.304	5.555	15.437	27.626	21.829
2.433	0	0	0.151	0.238	3.976	14.394	31.185	17.403
5.965	0	0	0.393	0.659	2.832	9.124	18.314	12.003
2.955	0	0	0.117	0.201	3.913	14.224	30.99	17.376
0.672	0	0	0.005	0.014	2.4	8.972	19.823	10.677

2008	2009	2010	2011	2012	2013	2014	2015	2016
				% Impact				
4.98	5.599	6.292	5.226	4.818	2.721	2.819	2.997	3.206
3.698	4.328	5.036	4.241	3.931	1.893	1.961	2.08	2.225
12.264	12.721	12.951	11.535	11.22	11.192	11.549	12.139	12.842
3.132	3.706	4.352	3.725	3.495	1.708	1.787	1.901	2.031
8.552	9.55	10.643	8.874	8.183	4.928	5.074	5.366	5.718
3.288	3.496	3.832	2.186	1.437	-0.92	-0.975	-0.96	-0.958
7.323	8.131	9.051	7.354	6.62	3.664	3.772	4.015	4.299
10.227	10.835	11.5	9.154	8.23	5.488	5.647	5.997	6.405
17.797	17.774	17.486	15.71	16.494	17.32	17.711	18.626	19.008
26.387	27.952	29.272	29.603	32.448	35.014	35.893	37.746	38.7
9.339	7.499	5.236	0.862	-0.616	-1.356	-1.211	-0.787	-0.562
3.309	2.917	2.214	1.019	0.591	0.643	0.67	0.823	0.907
56.334	64.126	71.427	78.409	86.638	92.627	94.633	98.574	101.202
4.399	4.546	4.561	3.588	3.327	2.299	2.401	2.648	2.795
7.5	4.903	2.271	-3.45	-5.474	-8.26	-8.305	-8.077	-7.982
4.658	-3.27	-10.613	-20.538	-23.425	-23.169	-23.084	-22.489	-22.377
14.584	15.927	17.154	18.093	20.157	22.069	22.542	23.782	24.629
0.548	-5.085	-10.467	-18.21	-20.613	-22.088	-22.204	-22.077	-22.473
12.168	10.457	8.53	4.737	4.17	3.95	4.178	4.783	4.878
34.082	34.624	34.605	31.9	32.097	33.537	34.915	36.923	39.319
32.697	33.35	33.456	30.967	31.238	32.686	34.038	35.999	38.309
4.249	4.165	3.865	3.19	3.028	3.061	3.128	3.312	3.543
37.861	38.182	37.898	34.734	34.826	36.45	38.04	40.317	43.073
46.859	48.404	49.283	46.212	47.217	49.767	52.117	55.329	59.037
5.536	5.533	5.423	4.924	4.866	5.033	5.185	5.453	5.771
10	9.789	9.178	7.721	7.239	7.353	7.49	7.827	8.27
15.037	15.004	14.555	12.623	12.286	12.128	12.6	13.338	14.17
0.553	0.657	0.664	0.656	0.657	0.659	0.681	0.715	0.753
6.413	6.576	6.591	6.177	6.238	6.414	6.42	6.511	6.64
8.976	8.883	8.577	7.707	7.509	7.887	8.157	8.608	9.148
21.921	21.672	21.001	18.73	18.354	18.874	19.559	20.677	22.032
13.222	13.42	13.331	11.806	11.566	11.596	11.94	12.537	13.242
2.646	2.963	3.255	2.803	2.64	1.72	1.764	1.849	1.957
4.626	4.899	5.043	4.568	4.507	4.193	4.329	4.541	4.791
2.588	2.98	3.385	3.041	2.952	2.006	2.074	2.193	2.333
0.939	1.145	1.376	1.181	1.096	0.482	0.495	0.518	0.547

2017	2018	2019	2020	2021	2022	2023	2024	2025
3.383	3.625	3.891	4.211	4.524	4.808	4.756	4.956	5
2.349	2.525	2.728	2.963	3.21	3.468	3.516	3.89	4.138
13.38	14.166	15.167	16.471	17.879	19.408	20.132	22.109	23.993
2.149	2.311	2.497	2.71	2.936	3.177	3.291	3.608	3.876
5.996	6.362	6.745	7.219	7.688	8.116	8.061	8.261	8.311
-0.962	-0.985	-1.083	-1.224	-1.522	-2.087	-3.339	-4.777	-6.75
4.514	4.794	5.083	5.441	5.782	6.061	5.925	5.909	5.734
6.717	7.134	7.556	8.096	8.552	8.823	8.122	7.786	7.011
19.517	19.76	19.541	19.139	17.9	15.313	9.334	2.683	-6.403
39.748	40.32	40.178	39.696	38.219	35.152	28.554	20.65	10.399
-0.22	0.057	0.117	0.151	-0.517	-2.31	-7.112	-12.375	-19.677
1.015	1.175	1.39	1.63	1.648	1.387	-0.433	-0.802	-2.404
103.531	105.581	107.141	108.278	108.93	108.983	107.232	106.861	105.91
2.987	3.188	3.396	3.631	3.714	3.559	2.541	1.745	0.456
-7.787	-7.753	-8.066	-8.566	-9.932	-12.661	-18.864	-26.141	-36.141
-21.822	-21.847	-22.969	-24.66	-28.3	-35.124	-48.717	-67.976	-93.365
25.369	25.966	26.133	25.984	25.308	23.88	20.126	17.045	12.175
-22.366	-22.8	-24.205	-26.109	-29.705	-36.1	-48.153	-64.962	-86.93
5.228	5.324	4.932	4.365	2.827	-0.291	-7.347	-15.491	-26.685
41.155	43.852	47.23	51.464	56.094	61.403	64.498	71.321	77.991
40.032	42.556	45.768	49.808	54.228	59.266	62.09	68.606	74.927
3.692	3.944	4.271	4.665	5.031	5.374	4.981	5.671	5.812
45.256	48.451	52.37	57.26	62.613	68.853	72.762	80.778	88.772
61.926	66.028	71.237	77.781	85.121	93.788	99.245	110.716	122.006
5.995	6.347	6.806	7.39	8.036	8.747	9.14	10.026	10.891
8.493	8.922	9.51	10.202	10.812	11.317	10.899	11.269	11.309
14.74	15.562	16.654	18.029	19.369	20.673	20.79	22.135	23.175
0.792	0.835	0.879	0.931	0.988	1.05	1.109	1.147	1.177
6.701	6.847	7.056	7.321	7.546	7.722	7.362	7.595	7.518
9.5	10.046	10.771	11.674	12.607	13.592	14.069	15.18	16.265
22.962	24.394	26.216	28.486	30.851	33.404	34.505	37.375	40.057
13.706	14.426	15.354	16.537	17.711	18.844	18.811	19.962	20.779
2.045	2.175	2.334	2.523	2.719	2.917	2.987	3.231	3.418
4.978	5.258	5.628	6.096	6.585	7.092	7.309	7.939	8.51
2.446	2.609	2.803	3.04	3.296	3.568	3.729	4.063	4.374
0.571	0.606	0.644	0.689	0.739	0.793	0.834	0.891	0.941

Wood treating	0.078	0.079	0.126	0	0	0.004
Insp, test, grad&sampl occs:wood proc	11.407	2.004	0.972	0	0	0.248
Labouring&oth elemental work:wood proc	17.187	3.601	2.381	0	0	0.098
Wood proc, except pulp&papermaking, nec	5.638	0.894	0.568	0	0	0.006

	Yukon Occupation Impact Govt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
		Average % Impact					
	Pulp & Papermaking & Related Occupations	33.155	10.451	3.631	0	0	3.199
	Foremn/wn:Pulp & papermaking&rltd occs	30.703	7.357	-5.826	0	0	2.192
	Cellulose pulp preparing	43.437	10.343	8.383	0	0	0.901
	Papermaking & finishing	43.921	22.642	17.178	0	0	6.271
	Inspect,test,grad&sampl occs:pulp&paper	30.097	6.942	-5.484	0	0	4.063
	Labour & oth elemental work:pulp&paper	29.786	8.693	4.28	0	0	1.828
	Pulp & papermaking & rltd occs, nec	23.663	1.917	-6.267	0	0	2.045
	Textile Processing Occupations	17.013	10.507	12.248	0	0	1.281
	Foremen/women:Textile processing	8.952	13.651	19.494	0	0	1.481
	Textile fibre preparing	59.831	8.45	4.309	0	0	0.014
	Textile spinning & twisting	8.682	6.233	5.785	0	0	1.169
	Textile winding & reeling	1.683	2.632	3.937	0	0	0.268
	Textile weaving	12.946	8.862	10.999	0	0	1.114
	Knitting	9.715	16.481	23.262	0	0	1.63
	Textile bleaching & dyeing	30.085	12.51	10.849	0	0	1.769
	Textile finishing & calendering	20.558	9.781	9.716	0	0	1.74
	Inspect,test,grad&sampl occs, tex proc	16.649	10.853	10.526	0	0	1.839
	Labour&oth elemental work:textile proc	13.143	9.055	11.325	0	0	1.034
	Textile processing, nec	27.637	10.566	11.381	0	0	1.033
	Other Processing Occupations	17.33	7.545	5.401	0	0	1.449
	Foremen/women:oth processing	0.714	0.712	0.448	0	0	0.115
	Tobacco processing	34.543	5.249	3.15	0	0	0.039
	Hide & pelt processing	28.382	11.468	9.078	0	0	2.525
	Insp,test,grad&sampl occs:process nec	18.572	9.659	4.559	0	0	2.132
	Labouring&oth elemental work:oth proc	18.885	5.832	5.692	0	0	0.56
	Oth processing, nec	3.66	4.06	4.429	0	0	0.606
Machining	MACHINING & RELATED	42.871	9.533	7.091	0	0	0.497
	Metal Machining Occupations	17.451	3.57	1.646	0	0	0.861
	Foremen/women:Metal machining	18.128	1.77	1.25	0	0	0.547
	Tool & die making	9.996	0.492	-0.802	0	0	0.727
	Machinist & machine tool setting-up	18.025	4.459	2.012	0	0	1.013
	Machine tool operating	21.102	2.566	1.666	0	0	0.357
	Inspect,test,grad&sampl occs:metal mach	18.595	10.609	10.654	0	0	1.699
	Metal machining, nec	21.176	2.589	1.123	0	0	0.354

0.015	0.051	0.121	0.156	0.116	0.089	0.092	0.084	0.071	0.059	0.101	0.099	0.102	0.105
0.33	4.073	14.6	31.32	16.97	1.948	2.181	2.372	1.861	1.66	0.71	0.712	0.754	0.814
0.159	5.883	21.73	47.61	26.05	3.314	3.754	4.177	3.522	3.241	1.744	1.776	1.85	1.95
0.006	1.905	7.163	15.88	8.563	0.756	0.912	1.086	0.909	0.807	0.396	0.407	0.428	0.453

% Impact

2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
4.94	15.36	44.51	79.39	47.77	15.9	14.25	11.6	6.184	4.494	3.057	3.288	3.731	4.119
3.664	13.4	40.76	76.17	44.85	12.24	10.83	8.763	3.649	1.384	-1.025	-1.496	-1.758	-1.973
1.449	15.58	55.13	116.5	64.15	10.28	11.11	11.71	9.639	8.989	5.822	6.077	6.44	6.83
9.674	23.23	60.34	94.74	63.48	32.54	29.54	24.26	14.81	12.31	11.83	12.76	13.99	15.05
5.85	14.24	40.23	71.28	42.2	13.54	11.33	8.073	2.177	-0.13	-1.825	-2.261	-2.416	-2.521
2.968	12.69	39.42	74.66	43.65	11.94	11.16	9.701	5.958	4.782	3.104	3.312	3.689	4.06
3.064	10.76	32.03	59.26	32.79	6.417	4.651	2.584	-1.304	-2.593	-3.803	-3.78	-3.607	-3.54
2.16	7.041	21.25	40.84	27.32	11.32	11.39	11.21	9.529	9.162	8.775	9.114	9.653	10.26
2.516	4.303	10.56	17.05	16.89	13.99	14.27	14.17	12.94	12.93	13.46	14.02	14.83	15.73
0.017	19.97	74.72	163.7	84.98	6.904	8.46	10.19	8.657	8.009	3.113	3.222	3.394	3.607
2.19	4.7	11.75	17.4	14.04	9.006	8.141	6.687	4.161	3.402	3.712	3.899	4.291	4.732
0.458	0.8	1.984	3.108	3.283	2.868	2.877	2.787	2.422	2.233	2.745	2.853	3.01	3.186
1.857	5.444	16.07	30.52	21.1	9.551	9.586	9.401	8.057	7.782	7.727	8.071	8.585	9.148
2.855	4.803	11.45	17.72	19.09	16.87	17.18	17.14	15.62	15.62	16.25	16.83	17.72	18.76
2.944	12.02	38.02	75.08	45.89	14	14.03	13.67	10.9	10.08	8.484	8.702	9.144	9.681
2.845	8.842	26.09	49.5	32	11.89	11.28	10.52	8.001	7.351	7.144	7.509	8.123	8.776
3.09	7.667	21.15	37.63	26.86	13.21	12.56	11.64	8.878	8.128	8.11	8.4	8.963	9.589
1.693	5.434	16.38	31.38	21.16	9.345	9.579	9.566	8.51	8.32	8.099	8.402	8.851	9.36
1.718	10.25	34.44	71.5	42.28	10.58	11.11	11.5	10	9.679	8.106	8.429	8.924	9.491
2.335	7.516	22.38	41.93	26.57	9.823	9.189	8.163	5.743	4.922	4.308	4.41	4.685	5.009
0.185	0.387	0.942	1.472	1.123	0.832	0.817	0.743	0.617	0.557	0.522	0.5	0.486	0.475
0.03	11.7	43.64	95.82	50.45	4.473	5.364	6.339	5.33	4.732	2.341	2.413	2.531	2.675
4.122	12.81	37.17	67.52	42.46	15.66	14.35	12.38	8.202	7.011	6.448	6.824	7.458	8.139
3.381	8.609	24.07	42.85	29.31	13.91	12.52	10.46	6.531	5.006	4.353	4.331	4.595	4.928
0.921	6.866	23.75	50.15	28.59	5.672	6.041	6.383	5.63	5.439	4.202	4.314	4.506	4.758
1	1.845	4.569	7.384	6.174	4.45	4.396	4.207	3.695	3.58	3.6	3.625	3.712	3.841
0.795	14.96	53.99	116.7	63.54	9.469	10.23	10.99	9.036	7.935	6.067	6.146	6.352	6.602
1.36	7.134	22.88	45.29	26.56	6.79	5.757	4.5	1.578	-0.726	1.753	1.722	1.822	1.955
0.855	7.009	23.7	48.81	27.02	4.11	3.385	2.715	0.421	-1.8	1.152	1.156	1.246	1.353
1.171	4.547	13.5	24.86	15.34	5.052	3.286	1.384	-1.954	-5.199	0.211	0.1	0.098	0.119
1.593	7.47	23.63	46.25	27.56	7.825	6.766	5.384	2.3	0.085	2.081	2.047	2.163	2.317
0.561	7.786	27.24	57.42	31.4	4.237	3.855	3.513	1.509	-0.329	1.358	1.398	1.515	1.648
2.711	8.215	23.93	44.36	30.72	14.9	13.57	11.7	7.845	5.296	8.153	8.263	8.649	9.124
0.62	7.945	27.68	57.85	31.66	4.626	4.096	3.602	1.396	-0.648	1.35	1.309	1.335	1.398

0.109	0.115	0.121	0.128	0.136	0.144	0.153	0.159	0.163	0.078	0.079
0.861	0.937	1.021	1.106	1.174	1.22	1.046	1.171	1.096	11.407	2.004
2.037	2.163	2.309	2.478	2.65	2.819	2.899	3.069	3.21	17.187	3.601
0.476	0.508	0.543	0.584	0.63	0.679	0.717	0.767	0.808	5.638	0.894

2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**
									Average % Imp	
4.455	4.886	5.525	6.297	6.485	5.932	2.247	0.663	-2.969	33.155	10.451
-2.438	-2.739	-2.994	-3.328	-4.298	-6.176	-11.24	-14.66	-20.26	30.703	7.357
7.143	7.555	8.117	8.823	9.477	10.08	10.005	10.761	11.265	43.437	10.343
16	17.17	19.03	21.38	22.77	23.05	18.193	17.553	14.072	43.921	22.642
-2.779	-2.795	-2.669	-2.621	-3.294	-4.834	-10.96	-12.59	-17.92	30.097	6.942
4.405	4.822	5.394	6.064	6.368	6.215	4.069	3.178	1.063	29.786	8.693
-3.399	-3.337	-3.405	-3.522	-4.194	-5.686	-9.61	-13.34	-18.88	23.663	1.917
10.69	11.29	12.03	12.98	13.89	14.72	14.498	15.257	15.7	17.013	10.507
16.35	17.24	18.4	19.88	21.45	23.13	23.893	26.207	28.529	8.952	13.651
3.76	3.956	4.159	4.402	4.674	4.971	5.162	5.51	5.871	59.831	8.45
5.139	5.624	6.25	7.051	7.651	8.004	6.466	6.658	5.659	8.682	6.233
3.301	3.466	3.683	3.977	4.293	4.631	4.788	5.277	5.8	1.683	2.632
9.552	10.1	10.76	11.61	12.44	13.22	13.177	13.911	14.465	12.946	8.862
19.49	20.56	21.95	23.75	25.66	27.72	28.52	31.08	33.546	9.715	16.481
10	10.53	11.19	12.02	12.69	13.13	11.928	12.022	11.329	30.085	12.51
9.297	9.931	10.58	11.4	12.02	12.28	10.941	9.915	8.137	20.558	9.781
10.02	10.64	11.32	12.21	12.89	13.19	11.544	10.768	9.042	16.649	10.853
9.714	10.22	10.86	11.67	12.49	13.33	13.559	14.622	15.594	13.143	9.055
9.895	10.44	11.09	11.91	12.73	13.52	13.584	14.331	14.94	27.637	10.566
5.267	5.631	6.052	6.551	6.853	6.884	5.64	5.066	3.756	17.33	7.545
0.461	0.455	0.456	0.463	0.465	0.459	0.417	0.371	0.316	0.714	0.712
2.781	2.912	3.055	3.221	3.404	3.597	3.722	3.898	4.064	34.543	5.249
8.762	9.489	10.33	11.34	11.95	12.07	9.841	8.741	6.3	28.382	11.468
5.158	5.552	5.985	6.494	6.645	6.249	3.655	2.174	-0.709	18.572	9.659
4.953	5.234	5.555	5.918	6.276	6.646	6.78	7.12	7.369	18.885	5.832
3.917	4.074	4.287	4.555	4.812	5.063	5.053	5.279	5.45	3.66	4.06
6.786	7.036	7.299	7.618	7.874	8.016	7.555	7.527	7.204	42.871	9.533
2.052	2.217	2.384	2.562	2.565	2.298	1.047	0.309	-1.091	17.451	3.57
1.415	1.527	1.646	1.793	1.846	1.749	0.952	0.646	-0.146	18.128	1.77
0.116	0.153	0.156	0.132	-0.086	-0.605	-2.051	-3.209	-5.055	9.996	0.492
2.435	2.631	2.836	3.053	3.068	2.777	1.365	0.565	-0.989	18.025	4.459
1.757	1.895	2.022	2.169	2.241	2.181	1.658	1.266	0.591	21.102	2.566
9.499	10.07	10.77	11.65	12.4	12.89	11.928	12.372	12.098	18.595	10.609
1.399	1.458	1.526	1.592	1.567	1.406	0.718	0.257	-0.525	21.176	2.589

0.126	0	0	0.004	0.015	0.051	0.121	0.156	0.116
0.972	0	0	0.248	0.33	4.073	14.601	31.322	16.965
2.381	0	0	0.098	0.159	5.883	21.732	47.611	26.052
0.568	0	0	0.006	0.006	1.905	7.163	15.881	8.563

13-25	2000	2001	2002	2003	2004	2005	2006	2007
act								
3.631	0	0	3.199	4.94	15.363	44.51	79.387	47.771
-5.826	0	0	2.192	3.664	13.403	40.763	76.167	44.852
8.383	0	0	0.901	1.449	15.577	55.125	116.495	64.146
17.178	0	0	6.271	9.674	23.229	60.342	94.74	63.48
-5.484	0	0	4.063	5.85	14.237	40.226	71.282	42.197
4.28	0	0	1.828	2.968	12.686	39.42	74.661	43.652
-6.267	0	0	2.045	3.064	10.762	32.03	59.257	32.793
12.248	0	0	1.281	2.16	7.041	21.252	40.837	27.316
19.494	0	0	1.481	2.516	4.303	10.563	17.051	16.892
4.309	0	0	0.014	0.017	19.968	74.723	163.692	84.98
5.785	0	0	1.169	2.19	4.7	11.751	17.401	14.041
3.937	0	0	0.268	0.458	0.8	1.984	3.108	3.283
10.999	0	0	1.114	1.857	5.444	16.067	30.524	21.099
23.262	0	0	1.63	2.855	4.803	11.45	17.72	19.086
10.849	0	0	1.769	2.944	12.017	38.022	75.079	45.888
9.716	0	0	1.74	2.845	8.842	26.088	49.496	32.001
10.526	0	0	1.339	3.09	7.667	21.153	37.632	26.855
11.325	0	0	1.034	1.693	5.434	16.379	31.379	21.16
11.381	0	0	1.033	1.718	10.251	34.437	71.501	42.283
5.401	0	0	1.449	2.335	7.516	22.376	41.934	26.57
0.448	0	0	0.115	0.185	0.387	0.942	1.472	1.123
3.15	0	0	0.039	0.03	11.704	43.642	95.817	50.449
9.078	0	0	2.525	4.122	12.808	37.167	67.524	42.456
4.559	0	0	2.132	3.381	8.609	24.074	42.846	29.309
5.692	0	0	0.56	0.921	6.866	23.749	50.15	28.589
4.429	0	0	0.606	1	1.845	4.569	7.384	6.174
7.091	0	0	0.497	0.795	14.958	53.987	116.667	63.538
1.646	0	0	0.861	1.36	7.134	22.884	45.291	26.558
1.25	0	0	0.547	0.855	7.009	23.701	48.807	27.024
-0.802	0	0	0.727	1.171	4.547	13.502	24.858	15.342
2.012	0	0	1.013	1.593	7.47	23.626	46.247	27.559
1.666	0	0	0.357	0.561	7.786	27.24	57.416	31.396
10.654	0	0	1.699	2.711	8.215	23.929	44.358	30.724
1.123	0	0	0.354	0.62	7.945	27.679	57.845	31.657

0.089	0.092	0.084	0.071	0.059	0.101	0.099	0.102	0.105
1.948	2.181	2.372	1.861	1.66	0.71	0.712	0.754	0.814
3.314	3.754	4.177	3.522	3.241	1.744	1.776	1.85	1.95
0.756	0.912	1.086	0.909	0.807	0.396	0.407	0.428	0.453

2008	2009	2010	2011	2012	2013	2014	2015	2016
				% Impact				
15.895	14.249	11.597	6.184	4.494	3.057	3.288	3.731	4.119
12.235	10.833	8.763	3.649	1.384	-1.025	-1.496	-1.758	-1.973
10.283	11.109	11.709	9.639	8.989	5.822	6.077	6.44	6.83
32.54	29.541	24.26	14.808	12.31	11.834	12.759	13.988	15.046
13.542	11.325	8.073	2.177	-0.13	-1.825	-2.261	-2.416	-2.521
11.944	11.162	9.701	5.958	4.782	3.104	3.312	3.689	4.06
6.417	4.651	2.584	-1.304	-2.593	-3.803	-3.78	-3.607	-3.54
11.315	11.393	11.206	9.529	9.162	8.775	9.114	9.653	10.262
13.992	14.272	14.168	12.936	12.925	13.459	14.02	14.83	15.733
6.904	8.46	10.19	8.657	8.009	3.113	3.222	3.394	3.607
9.006	8.141	6.687	4.161	3.402	3.712	3.899	4.291	4.732
2.868	2.877	2.787	2.422	2.233	2.745	2.853	3.01	3.186
9.551	9.586	9.401	8.057	7.782	7.727	8.071	8.585	9.148
16.873	17.181	17.135	15.619	15.618	16.245	16.828	17.715	18.755
14.001	14.03	13.668	10.895	10.078	8.484	8.702	9.144	9.681
11.889	11.279	10.515	8.001	7.351	7.144	7.509	8.123	8.776
13.212	12.564	11.635	8.878	8.128	8.11	8.4	8.963	9.589
9.345	9.579	9.566	8.51	8.32	8.099	8.402	8.851	9.36
10.578	11.108	11.495	10.001	9.679	8.106	8.429	8.924	9.491
9.823	9.189	8.163	5.743	4.922	4.308	4.41	4.685	5.009
0.832	0.817	0.743	0.617	0.557	0.522	0.5	0.486	0.475
4.473	5.364	6.339	5.33	4.732	2.341	2.413	2.531	2.675
15.663	14.354	12.375	8.202	7.011	6.448	6.824	7.458	8.139
13.908	12.518	10.456	6.531	5.006	4.353	4.331	4.595	4.928
5.672	6.041	6.383	5.63	5.439	4.202	4.314	4.506	4.758
4.45	4.396	4.207	3.695	3.58	3.6	3.625	3.712	3.841
9.469	10.227	10.986	9.036	7.935	6.067	6.146	6.352	6.602
6.79	5.757	4.5	1.578	-0.726	1.753	1.722	1.822	1.955
4.11	3.385	2.715	0.421	-1.8	1.152	1.156	1.246	1.353
5.052	3.286	1.384	-1.954	-5.199	0.211	0.1	0.098	0.119
7.825	6.766	5.384	2.3	0.085	2.081	2.047	2.163	2.317
4.237	3.855	3.513	1.509	-0.329	1.358	1.398	1.515	1.648
14.903	13.566	11.698	7.845	5.296	8.153	8.263	8.649	9.124
4.626	4.096	3.602	1.396	-0.648	1.35	1.309	1.335	1.398

0.109	0.115	0.121	0.128	0.136	0.144	0.153	0.159	0.163
0.861	0.937	1.021	1.106	1.174	1.22	1.046	1.171	1.096
2.037	2.163	2.309	2.478	2.65	2.819	2.899	3.069	3.21
0.476	0.508	0.543	0.584	0.63	0.679	0.717	0.767	0.808
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
4.455	4.886	5.525	6.297	6.485	5.932	2.247	0.663	-2.969
-2.438	-2.739	-2.994	-3.328	-4.298	-6.176	-11.242	-14.657	-20.264
7.143	7.555	8.117	8.823	9.477	10.076	10.005	10.761	11.265
15.995	17.166	19.028	21.375	22.77	23.047	18.193	17.553	14.072
-2.779	-2.795	-2.669	-2.621	-3.294	-4.834	-10.963	-12.594	-17.917
4.405	4.822	5.394	6.064	6.368	6.215	4.069	3.178	1.063
-3.399	-3.337	-3.405	-3.522	-4.194	-5.686	-9.61	-13.336	-18.883
10.692	11.294	12.03	12.975	13.885	14.718	14.498	15.257	15.7
16.351	17.243	18.399	19.875	21.446	23.126	23.893	26.207	28.529
3.76	3.956	4.159	4.402	4.674	4.971	5.162	5.51	5.871
5.139	5.624	6.25	7.051	7.651	8.004	6.466	6.658	5.659
3.301	3.466	3.683	3.977	4.293	4.631	4.788	5.277	5.8
9.552	10.099	10.758	11.607	12.444	13.22	13.177	13.911	14.465
19.487	20.563	21.945	23.746	25.656	27.722	28.52	31.08	33.546
10.001	10.531	11.192	12.022	12.694	13.126	11.928	12.022	11.329
9.297	9.931	10.577	11.4	12.023	12.279	10.941	9.915	8.137
10.024	10.642	11.322	12.212	12.893	13.188	11.544	10.768	9.042
9.714	10.215	10.858	11.665	12.489	13.334	13.559	14.622	15.594
9.895	10.443	11.094	11.913	12.728	13.517	13.584	14.331	14.94
5.267	5.631	6.052	6.551	6.853	6.884	5.64	5.066	3.756
0.461	0.455	0.456	0.463	0.465	0.459	0.417	0.371	0.316
2.781	2.912	3.055	3.221	3.404	3.597	3.722	3.898	4.064
8.762	9.489	10.334	11.336	11.947	12.073	9.841	8.741	6.3
5.158	5.552	5.985	6.494	6.645	6.249	3.655	2.174	-0.709
4.953	5.234	5.555	5.918	6.276	6.646	6.78	7.12	7.369
3.917	4.074	4.287	4.555	4.812	5.063	5.053	5.279	5.45
6.786	7.036	7.299	7.618	7.874	8.016	7.555	7.527	7.204
2.052	2.217	2.384	2.562	2.565	2.298	1.047	0.309	-1.091
1.415	1.527	1.646	1.793	1.846	1.749	0.952	0.646	-0.146
0.116	0.153	0.156	0.132	-0.086	-0.605	-2.051	-3.209	-5.055
2.435	2.631	2.836	3.053	3.068	2.777	1.365	0.565	-0.989
1.757	1.895	2.022	2.169	2.241	2.181	1.658	1.266	0.591
9.499	10.074	10.768	11.652	12.401	12.89	11.928	12.372	12.098
1.399	1.458	1.526	1.592	1.567	1.406	0.718	0.257	-0.525

Metal Shaping & Forming Occupations, Except Machining	52.597	11.397	8.788	0	0	0.291
Foremn/wn:metal shap&form, ex machining	64.123	14.616	11.635	0	0	0.226
Forging	20.039	3.878	3.369	0	0	0.521
Sheet metal workers	80.876	12.237	6.393	0	0	0.162
Metalworking-machine operators, nec	24.462	3.407	3.068	0	0	0.538
Welding & flame cutting	41.928	11.443	10.293	0	0	0.333
Inspect,test,grad&sampl:metal shap&form	38.614	26.445	28.236	0	0	1.325
Boilermkrs, platers & struct metal wkrs	48.626	7.307	4.346	0	0	0.136
Metal shap&form occs, ex machining, nec	33.718	4.865	2.886	0	0	0.071

Yukon Occupation Impact Govt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
	Average % Impact					
Wood Machining Occupations	27.453	11.84	11.958	0	0	0.491
Foremen/women:Wood machining	23.094	2.509	0.19	0	0	0.173
Wood patternmaking	7.578	2.381	-6.113	0	0	1.199
Wood sawing & rltd, nec	25.272	6.172	4.857	0	0	0.352
Plane,turn,shaping&rltd wood mach occs	37.324	23.131	25.944	0	0	0.655
Inspect,test,grad&sampl occs:wood mach	0.151	0.296	0.443	0	0	0.015
Wood sanding	21.666	7.096	6.807	0	0	0.707
Wood machining, nec	2.253	3.09	5.146	0	0	0.335
Clay, Glass Stone & Related Materials Machining Occupations	30.367	10.537	11.351	0	0	0.778
Foremn/wn:clay,glass,stne&rltd mat mach	59.102	11.897	9.718	0	0	0.436
Cut&shaping:clay,glass,stne&rltd mat	36.399	9.11	8.665	0	0	0.453
Abrad&polish:clay,glass,stne&rltd mat	24.264	13.379	16.013	0	0	1.11
Insp,test,grad&sampl:clay,glass&stone	11.39	1.52	0.813	0	0	-0.024
Clay,glass,stone&rltd mat mach, nec	12.102	11.433	14.7	0	0	1.585
Other Machining & Related Occupations, NEC	29.615	4.818	-2.327	0	0	2.04
Foremn/wn:oth machining&rltd occs, nec	42.341	0.389	-10.582	0	0	3.046
Engravers, etchers & rltd occs, nec	32.141	34.561	38.106	0	0	5.119
Filing, grind, buff, clean&polish, nec	27.212	4.075	1.45	0	0	1.076
Patternmakers & mouldmakers, nec	25.747	-2.509	-20.637	0	0	2.976
Insp,test,grad&sampl:oth machining,nec	33.746	4.738	0.5	0	0	2.638

0.461	17.8	65.67	143.7	77.14	10.14	11.56	13.05	11.48	10.75	7.416	7.525	7.759	8.037
0.34	21.42	79.53	175.2	93.35	12.66	14.55	16.54	14.98	14.33	10.32	10.44	10.68	10.96
0.851	7.491	25.99	54.49	30.67	5.26	5.036	4.687	2.901	1.624	2.258	2.356	2.542	2.744
0.258	27.03	101.2	221	114.2	10.78	12.62	14.6	12.18	10.99	4.799	4.905	5.123	5.42
0.859	9.267	31.89	66.41	36.4	5.42	4.933	4.502	2.174	0.111	2.34	2.424	2.582	2.758
0.533	14.23	52.08	114.2	62.73	10.11	11.43	12.8	11.66	11.23	8.86	8.983	9.253	9.55
1.747	12.73	44.41	102.8	62.7	23.51	25.63	27.54	27.38	28.23	28.65	28.62	28.86	29.1
0.204	16.45	61.08	133.3	70.27	6.215	7.44	8.86	7.413	6.602	3.035	3.15	3.36	3.59
0.198	11.72	43.07	92.94	49.51	5.093	5.576	6.099	4.441	3.098	2.405	2.427	2.511	2.626

Yukon and Northwest Territories
Employment by Occupation
Standard Occupational Classification
Thousands

2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
									% Impact				
0.843	9.519	33.67	73.8	43.04	10.86	11.84	12.78	11.9	11.81	10.64	10.78	10.99	11.24
0.247	8.077	29.52	64.16	33.89	2.676	2.912	3.248	2.164	1.562	0.23	0.27	0.351	0.427
2.139	4.444	10.79	15.3	11.49	6.539	5.167	3.374	-0.197	-2.473	-1.51	-2.053	-2.465	-2.831
0.616	8.872	31.93	68.8	38.22	5.862	6.465	7.057	5.948	5.528	3.65	3.739	3.913	4.128
1.117	12.49	44.17	99.69	60.43	20.3	22.35	24.31	23.97	24.67	23.78	24.07	24.42	24.79
0.023	0.067	0.187	0.327	0.278	0.26	0.302	0.307	0.305	0.308	0.312	0.325	0.342	0.36
1.217	8.108	27.32	56.58	33.01	7.421	7.68	7.881	6.489	6.064	4.906	5.103	5.408	5.742
0.585	1.078	2.708	4.247	4.417	3.749	3.586	3.355	2.694	2.092	3.681	3.779	3.937	4.138
1.388	10.96	37.98	79.79	46.31	10.39	11.03	11.61	10.06	9.603	7.986	8.24	8.664	9.19
0.774	20.05	73.5	159	84.73	10.56	12.07	13.69	11.92	11.23	7.027	7.219	7.553	7.982
0.833	12.66	45.79	98.48	54.43	8.599	9.447	10.3	8.852	8.339	5.967	6.175	6.513	6.926
1.982	9.183	29.93	60.74	38.68	13.29	13.9	14.36	12.82	12.53	11.43	11.74	12.25	12.93
-0.014	3.844	14.39	30.95	16.32	1.421	1.634	1.881	1.454	1.21	0.68	0.667	0.684	0.711
2.709	5.768	15.14	25.51	20.75	13.12	12.69	12.06	9.933	9.387	10.41	10.82	11.5	12.28
3.242	12.84	39.15	74.95	43.26	10.2	8.172	5.95	1.2	-1.097	-0.614	-0.593	-0.331	-0.103
4.706	19.23	57.51	107.3	57.65	8.8	5.254	1.603	-5.109	-7.915	-7.323	-7.057	-6.558	-6.305
8.39	16.78	41.4	63.53	54.72	41.18	39.66	36.34	28.89	26.89	27.69	28.59	30.02	31.72
1.712	10.72	35.43	72.31	40.26	6.773	5.905	5.109	2.242	0.508	1.367	1.473	1.726	1.975
4.674	13.29	35.92	61.41	35.04	8.693	3.749	-1.498	-9.382	-13.1	-12.18	-12.54	-12.55	-12.73
3.551	12.99	42.77	88.72	48.77	7.432	6.684	5.723	2.715	1.235	0.081	-0.045	0.079	0.287

8.242	8.506	8.783	9.114	9.431	9.709	9.604	9.891	10.049	52.597	11.397
11.17	11.41	11.65	11.93	12.21	12.45	12.382	12.626	12.819	64.123	14.616
2.904	3.118	3.405	3.759	4.055	4.265	3.888	4.14	4.048	20.039	3.878
5.653	5.961	6.276	6.636	7.006	7.37	7.506	7.869	8.197	80.876	12.237
2.892	3.07	3.273	3.54	3.738	3.816	3.339	3.203	2.771	24.462	3.407
9.766	10.04	10.33	10.67	11	11.27	11.096	11.384	11.514	41.928	11.443
29.16	29.24	29.24	29.21	28.99	28.5	26.322	26.34	25.015	38.614	26.445
3.776	4.014	4.261	4.544	4.838	5.137	5.245	5.6	5.887	48.626	7.307
2.695	2.814	2.947	3.09	3.206	3.283	3.121	3.192	3.127	33.718	4.865

2017	2018	2019	2020	2021	2022	2023	2024	2025		
11.39	11.61	11.92	12.34	12.73	13.05	12.775	12.936	12.928	27.453	11.84
0.508	0.579	0.608	0.631	0.592	0.439	0	-0.619	-1.451	23.094	2.509
-3.415	-3.828	-4.216	-4.697	-5.569	-7.056	-10.57	-12.7	-16.27	7.578	2.381
4.271	4.503	4.788	5.149	5.498	5.801	5.67	5.925	6.009	25.272	6.172
25	25.3	25.72	26.35	26.97	27.52	27.318	27.719	28.068	37.324	23.131
0.379	0.401	0.426	0.454	0.486	0.519	0.552	0.579	0.603	0.151	0.296
5.978	6.327	6.747	7.32	7.867	8.332	8.101	8.276	8.263	21.666	7.096
4.281	4.507	4.805	5.203	5.626	6.076	6.279	6.849	7.412	2.253	3.09
9.598	10.18	10.87	11.77	12.7	13.66	13.885	14.919	15.827	30.367	10.537
8.294	8.73	9.23	9.867	10.56	11.32	11.701	12.612	13.545	59.102	11.897
7.266	7.737	8.296	8.993	9.718	10.47	10.733	11.617	12.407	36.399	9.11
13.41	14.14	15.07	16.29	17.59	19.04	19.546	21.319	23.061	24.264	13.379
0.73	0.759	0.793	0.836	0.882	0.929	0.939	0.966	0.988	11.39	1.52
12.89	13.72	14.68	15.94	17.14	18.16	17.634	17.967	17.765	12.102	11.433
0.121	0.348	0.421	0.475	0.017	-1.27	-4.949	-8.665	-14.09	29.615	4.818
-5.887	-5.695	-5.795	-6.006	-7.081	-9.48	-15.1	-21.84	-31.18	42.341	0.389
32.98	34.86	37.43	40.75	43.72	46.37	44.647	47.164	48.123	32.141	34.561
2.199	2.449	2.633	2.857	2.859	2.481	0.871	-0.697	-3.069	27.212	4.075
-12.77	-13	-13.76	-14.92	-17.22	-21.35	-29.49	-39.32	-52.64	25.747	-2.509
0.368	0.67	1.066	1.482	1.696	1.726	-0.836	0.521	-0.592	33.746	4.738

8.788	0	0	0.291	0.461	17.796	65.668	143.74	77.136
11.635	0	0	0.226	0.34	21.424	79.529	175.229	93.349
3.369	0	0	0.521	0.851	7.491	25.992	54.492	30.672
6.393	0	0	0.162	0.258	27.031	101.164	221.019	114.181
3.068	0	0	0.538	0.859	9.267	31.892	66.409	36.398
10.293	0	0	0.333	0.533	14.232	52.077	114.19	62.73
28.236	0	0	1.325	1.747	12.726	44.409	102.785	62.702
4.346	0	0	0.136	0.204	16.453	61.08	133.317	70.268
2.886	0	0	0.071	0.198	11.719	43.067	92.935	49.505

11.958	0	0	0.491	0.843	9.519	33.674	73.804	43.044
0.19	0	0	0.173	0.247	8.077	29.52	64.163	33.889
-6.113	0	0	1.199	2.139	4.444	10.787	15.304	11.491
4.857	0	0	0.352	0.616	8.872	31.926	68.796	38.222
25.944	0	0	0.655	1.117	12.494	44.172	99.685	60.432
0.443	0	0	0.015	0.023	0.067	0.187	0.327	0.278
6.807	0	0	0.707	1.217	8.108	27.316	56.582	33.009
5.146	0	0	0.335	0.585	1.078	2.708	4.247	4.417
11.351	0	0	0.778	1.388	10.956	37.977	79.79	46.313
9.718	0	0	0.436	0.774	20.045	73.498	159.044	84.73
8.665	0	0	0.453	0.833	12.655	45.785	98.479	54.427
16.013	0	0	1.11	1.982	9.183	29.932	60.742	38.68
0.813	0	0	-0.024	-0.014	3.844	14.392	30.95	16.323
14.7	0	0	1.585	2.709	5.768	15.143	25.514	20.749
-2.327	0	0	2.04	3.242	12.843	39.149	74.949	43.256
-10.582	0	0	3.046	4.706	19.232	57.51	107.292	57.649
38.106	0	0	5.119	8.39	16.775	41.402	63.527	54.722
1.45	0	0	1.076	1.712	10.717	35.429	72.305	40.257
-20.637	0	0	2.976	4.674	13.289	35.921	61.409	35.035
0.5	0	0	2.638	3.551	12.994	42.765	88.718	48.773

10.14	11.555	13.051	11.482	10.751	7.416	7.525	7.759	8.037
12.663	14.547	16.544	14.98	14.334	10.322	10.438	10.676	10.961
5.26	5.036	4.687	2.901	1.624	2.258	2.356	2.542	2.744
10.78	12.617	14.598	12.181	10.965	4.799	4.905	5.123	5.42
5.42	4.933	4.502	2.174	0.111	2.34	2.424	2.582	2.758
10.111	11.433	12.799	11.655	11.228	8.86	8.983	9.253	9.55
23.513	25.632	27.543	27.383	28.233	28.648	28.616	28.864	29.095
6.215	7.44	8.86	7.413	6.602	3.035	3.15	3.36	3.59
5.093	5.576	6.099	4.441	3.098	2.405	2.427	2.511	2.626

10.857	11.84	12.783	11.897	11.811	10.635	10.775	10.993	11.241
2.676	2.912	3.248	2.164	1.562	0.23	0.27	0.351	0.427
6.539	5.167	3.374	-0.197	-2.473	-1.51	-2.053	-2.465	-2.831
5.862	6.465	7.057	5.948	5.528	3.65	3.739	3.913	4.128
20.304	22.347	24.312	23.967	24.668	23.778	24.065	24.417	24.792
0.26	0.302	0.307	0.305	0.308	0.312	0.325	0.342	0.36
7.421	7.68	7.881	6.489	6.064	4.906	5.103	5.408	5.742
3.749	3.586	3.355	2.694	2.092	3.681	3.779	3.937	4.138
10.391	11.028	11.607	10.059	9.603	7.986	8.24	8.664	9.19
10.556	12.069	13.69	11.921	11.228	7.027	7.219	7.553	7.982
8.599	9.447	10.304	8.852	8.339	5.967	6.175	6.513	6.926
13.286	13.904	14.36	12.824	12.532	11.431	11.74	12.25	12.93
1.421	1.634	1.881	1.454	1.21	0.68	0.667	0.684	0.711
13.122	12.69	12.064	9.933	9.387	10.413	10.816	11.503	12.279
10.204	8.172	5.95	1.2	-1.097	-0.614	-0.593	-0.331	-0.103
8.8	5.254	1.603	-5.109	-7.915	-7.323	-7.057	-6.558	-6.305
41.181	39.663	36.342	28.894	26.888	27.685	28.589	30.023	31.721
6.773	5.905	5.109	2.242	0.508	1.367	1.473	1.726	1.975
8.693	3.749	-1.498	-9.382	-13.1	-12.175	-12.541	-12.546	-12.734
7.432	6.684	5.723	2.715	1.235	0.081	-0.045	0.079	0.287

8.242	8.506	8.783	9.114	9.431	9.709	9.604	9.891	10.049
11.169	11.413	11.646	11.932	12.211	12.454	12.382	12.626	12.819
2.904	3.118	3.405	3.759	4.055	4.265	3.888	4.14	4.048
5.653	5.961	6.276	6.636	7.006	7.37	7.506	7.869	8.197
2.892	3.07	3.273	3.54	3.738	3.816	3.339	3.203	2.771
9.766	10.038	10.326	10.671	10.996	11.27	11.096	11.384	11.514
29.159	29.243	29.24	29.214	28.994	28.5	26.322	26.34	25.015
3.776	4.014	4.261	4.544	4.838	5.137	5.245	5.6	5.887
2.695	2.814	2.947	3.09	3.206	3.283	3.121	3.192	3.127
11.385	11.613	11.915	12.336	12.732	13.047	12.775	12.936	12.928
0.508	0.579	0.608	0.631	0.592	0.439	0	-0.619	-1.451
-3.415	-3.828	-4.216	-4.697	-5.569	-7.056	-10.574	-12.702	-16.267
4.271	4.503	4.788	5.149	5.498	5.801	5.67	5.925	6.009
25.003	25.302	25.72	26.351	26.974	27.517	27.318	27.719	28.068
0.379	0.401	0.426	0.454	0.486	0.519	0.552	0.579	0.603
5.978	6.327	6.747	7.32	7.867	8.332	8.101	8.276	8.263
4.281	4.507	4.805	5.203	5.626	6.076	6.279	6.849	7.412
9.598	10.177	10.874	11.772	12.698	13.656	13.885	14.919	15.827
8.294	8.73	9.23	9.867	10.56	11.317	11.701	12.612	13.545
7.266	7.737	8.296	8.993	9.718	10.468	10.733	11.617	12.407
13.409	14.141	15.065	16.291	17.588	19.038	19.546	21.319	23.061
0.73	0.759	0.793	0.836	0.882	0.929	0.939	0.966	0.988
12.893	13.72	14.675	15.938	17.137	18.159	17.634	17.967	17.765
0.121	0.348	0.421	0.475	0.017	-1.27	-4.949	-8.665	-14.088
-5.887	-5.695	-5.795	-6.006	-7.081	-9.48	-15.1	-21.839	-31.183
32.978	34.856	37.429	40.751	43.718	46.367	44.647	47.164	48.123
2.199	2.449	2.633	2.857	2.859	2.481	0.871	-0.697	-3.069
-12.771	-12.998	-13.764	-14.923	-17.217	-21.348	-29.493	-39.322	-52.637
0.368	0.67	1.066	1.482	1.696	1.726	-0.836	0.521	-0.592

	Oth machining & rltd, nec	43.179	0.679	-12.749	0	0	2.15
Fabricating	PRODUCT FABRICATING, ASSEMBLING & REPAIRING	31.794	23.689	27.351	0	0	2.152
	Fabricating & Assembling Occupations: Metal Products NEC	35.663	17.58	13.941	0	0	1.422
	Foremn/wn:Fabric&assembl,metal prod,nec	38.854	22.898	27.372	0	0	1.874
	Engine&rltd eqpt fabric&assembling, nec	13.068	28.111	37.351	0	0	1.228
	Motor vehicle fabric & assembling, nec	25.489	18.142	21.261	0	0	2.081
	Aircraft fabric & assembling occs, nec	53.061	72.882	37.025	0	0	5.092
	Mechanized eqpt fabric & assmbling, nec	74.271	11.18	5.92	0	0	0.172
	Business&commer mach fabric&assmbl, nec	10.528	-1.111	-20.054	0	0	1.926
	Insp,test,grad&sampl:fbric&assmbl nec	30.234	29.738	16.04	0	0	2.353
	Precision instrum&rltd fbric&assmbl,nec	17.12	10.464	10.912	0	0	1.422
	Labour&oth elem work:fabric&assembl nec	15.515	0.399	-0.485	0	0	0.255
	Oth fabric & assembling:metal prod, nec	29.46	6.576	6.185	0	0	0.596

Yukon Occupation Impact Govt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
	Average % Impact					
Fabricating, Assembling, Installing & Repairing Occupations: Electrical, Electronic & Related Equipment	46.509	14.43	9.729	0	0	1.215
Foremn/wmn:fabric&assemb:elec&rltd eqpt	50.859	12.313	5.902	0	0	1.013
Electrical & rltd eqpt fabric & assembl	49.983	8.082	2.838	0	0	0.524
Electrical&rltd eqpt install&repair,nec	59.304	15.683	13.324	0	0	0.789
Electronic & rltd eqpt fabric & assembl	31.357	8.295	-1.781	0	0	1.768
Electronic&rltd eqpt install&repair,nec	27.778	9.747	-3.437	0	0	1.577
Inspect etc:fabric&rltd,elect&rltd eqpt	24.604	2.745	-9.114	0	0	1.745
Radio & television repairers	24.14	32.856	46.475	0	0	3.047
Labour&oth:fabric&rltd, elect&rltd eqpt	41.137	8.502	0.714	0	0	1.004
Fabric&rltd:electrical&rltd eqpt, nec	43.879	10.772	6.563	0	0	1.504
Fabricating, Assembling & Repairing Occupations: Wood Products	62.306	14.101	12.012	0	0	0.674
Foremn/wn:fabri,assemb&repair:wood prod	67.827	14.791	12.439	0	0	0.633
Cabinet & wood furniture makers	65.636	14.161	11.703	0	0	0.638
Insp&rltd:fabric,assembl&repair, wood	34.573	10.359	10.806	0	0	0.597
Labour:fabric,assembl&repair,wood prods	39.204	15.651	17.476	0	0	1.139
Fabric, assembl&repair:wood prods, nec	44.834	12.269	11.159	0	0	0.743
Fabricating, Assembling & Repairing Occupations: Textile, Fur & Leather Products	27.764	32.913	44.924	0	0	4.168
Foremn/wn:fabri&rltd:tex,fur&leath prod	31.686	36.081	48.989	0	0	5.033

3.423	17.75	56.79	112.7	59.97	6.608	4.214	2.035	-3.396	-5.632	-7.456	-7.57	-7.438	-7.45
3.691	12.69	39.2	76.82	52.99	24.75	25.27	25.06	21.98	21.35	20.24	20.74	21.7	22.89
2.393	13.51	44.71	91.13	57.06	20.59	20.33	19.12	14.98	12.91	11.39	11.4	11.73	12.26
3.265	14.87	48.19	97.48	62.93	23.75	24.42	24.54	21.42	20.37	19.46	20.01	20.93	22.12
2.042	4.64	12.71	29.21	27.2	24.73	26.89	28.78	29.43	31.03	33.85	34.26	35.23	36.15
3.533	10.73	31.91	60.34	42.07	19.76	19.79	19.34	16.34	15.49	15.42	15.87	16.69	17.69
8.387	23.21	64.96	112	107.4	99.09	91.99	76.68	54.24	42.64	34.94	33.48	33.63	34.78
0.254	24.78	92.88	203.3	105.3	9.559	11.36	13.33	11.27	10.36	4.356	4.479	4.706	4.995
3.227	6.505	15.75	21.61	13.36	5.26	2.95	0.021	-5.354	-8.053	-9.441	-10.5	-11.43	-12.33
3.886	12.6	37.47	68.95	55.37	39.63	37.12	31.52	22.56	18.01	14.81	14.26	14.38	14.89
2.35	7.207	21.5	40.54	27.16	11.44	11.53	11.25	9.318	8.755	8.164	8.296	8.678	9.178
0.446	5.918	20.45	42.3	23.05	2.948	2.124	1.379	-0.936	-3.505	0.31	0.218	0.171	0.145
1.032	10.88	37.83	79.46	44.45	7.786	7.788	7.811	5.619	3.941	4.699	4.79	4.992	5.262
2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
									% Impact				
2.11	16.76	58.4	122.9	69.92	14.8	15.65	16.13	13.29	12.27	8.806	8.756	8.933	9.254
1.767	18.08	64.11	135.8	75.12	12.82	13.63	14.12	11.13	9.869	5.749	5.628	5.701	5.905
0.843	17.3	62.84	135.5	72.01	7.751	8.716	9.715	7.613	6.598	2.747	2.713	2.793	2.932
1.376	20.41	73.86	159.4	87.67	14.68	16.17	17.55	15.35	14.66	10.18	10.38	10.8	11.33
2.916	12.5	40.44	79.89	46.34	11.09	10.72	9.717	5.857	4.126	1.662	1.171	0.885	0.722
2.764	11.27	36.03	70.16	42.08	12.82	12.49	11.23	7.053	5.177	2.792	2.013	1.412	0.955
2.605	9.949	32.05	63.33	35.07	6.123	5.249	3.825	0.203	-1.648	-3.852	-4.502	-5.016	-5.458
5.369	10.88	29.01	50.14	45.04	32.99	34.07	34.3	31.36	31.51	32.3	33.39	35.12	37.23
1.74	15.12	52.31	108.8	59.99	9.665	9.985	10.08	7.097	5.731	2.422	2.18	2.076	2.049
2.346	16.03	55.21	115.7	64.49	11.51	11.97	12.25	9.581	8.588	5.458	5.479	5.714	6.027
1.197	21.39	77.85	168.2	90.95	12.83	14.43	16.06	13.94	13.23	8.619	8.901	9.351	9.896
1.131	23.12	84.62	183.4	98.47	13.26	15.05	16.89	14.73	14.02	8.88	9.18	9.648	10.21
1.131	22.45	82.02	177.6	95.38	12.8	14.47	16.2	14.03	13.28	8.389	8.669	9.114	9.65
1.064	12.25	43.42	92.69	52.44	9.91	10.79	11.61	10.08	9.437	7.679	7.953	8.345	8.797
2.037	14.23	48.9	102.6	60.66	15.17	16.25	17.13	15.1	14.62	12.32	12.77	13.44	14.2
1.323	15.75	56.01	119.7	66.64	11.54	12.66	13.77	11.98	11.4	8.193	8.403	8.777	9.256
6.912	12.99	33.65	57.64	49.1	34.44	34.65	34.08	30.75	30.67	31.57	32.68	34.4	36.46
8.207	14.96	38.51	65.83	55.09	38.1	38.08	37.2	33.55	33.51	34.58	35.77	37.65	39.91

-7.396	-7.474	-7.94	-8.592	-10.02	-12.75	-18.53	-25.51	-34.97	43.179	0.679
23.78	25.11	26.7	28.66	30.57	32.42	32.42	34.377	35.783	31.794	23.689
12.68	13.34	14.12	15.01	15.75	16.23	15.5	15.79	15.639	35.663	17.58
23.01	24.33	25.95	28.02	30.18	32.44	33.275	36.172	38.963	38.854	22.898
36.63	37.25	37.93	38.73	39.42	39.9	38.561	39.086	38.862	13.068	28.111
18.39	19.46	20.79	22.48	24.1	25.59	25.097	26.597	27.363	25.489	18.142
36.21	38.51	40.94	42.96	43.69	42.39	37.998	33.695	28.205	53.061	72.882
5.22	5.512	5.815	6.159	6.513	6.867	6.979	7.334	7.621	74.271	11.18
-13.38	-14.3	-15.42	-16.83	-19.08	-22.61	-29.81	-35.34	-43.62	10.528	-1.111
15.46	16.44	17.5	18.44	18.87	18.54	16.562	15.227	13.124	30.234	29.738
9.485	10.02	10.73	11.63	12.45	13.21	12.39	13.472	13.77	17.12	10.464
0.072	0.035	-0.012	-0.075	-0.23	-0.529	-1.332	-1.896	-2.83	15.515	0.399
5.44	5.727	6.082	6.55	6.988	7.36	7.08	7.471	7.606	29.46	6.576
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**
									Average % Imp	
9.372	9.722	10.15	10.65	11	11.12	9.76	9.819	9.057	46.509	14.43
5.937	6.164	6.447	6.76	6.914	6.824	5.4	5.186	4.172	50.859	12.313
2.972	3.102	3.239	3.386	3.444	3.36	2.495	2.274	1.527	49.983	8.082
11.73	12.31	12.98	13.79	14.61	15.41	15.504	16.454	17.239	59.304	15.683
0.321	0.154	0.029	-0.171	-0.791	-1.996	-5.849	-7.322	-10.78	31.357	8.295
0.233	-0.275	-0.811	-1.557	-2.851	-4.945	-9.889	-12.71	-17.63	27.778	9.747
-6.059	-6.508	-6.96	-7.582	-8.673	-10.38	-14.82	-16.58	-20.74	24.604	2.745
38.77	41.13	44.09	47.73	51.63	55.94	57.655	63.312	68.328	24.14	32.856
1.855	1.806	1.792	1.773	1.508	0.87	-1.335	-2.437	-4.566	41.137	8.502
6.182	6.53	6.956	7.47	7.84	8.012	6.589	6.854	6.07	43.879	10.772
10.28	10.84	11.51	12.36	13.25	14.16	14.446	15.506	16.522	62.306	14.101
10.62	11.2	11.88	12.75	13.68	14.64	15.014	16.164	17.315	67.827	14.791
10.04	10.59	11.23	12.05	12.92	13.79	14.07	15.076	16.04	65.636	14.161
9.089	9.541	10.14	10.94	11.8	12.72	13.117	14.268	15.484	34.573	10.359
14.69	15.48	16.51	17.88	19.34	20.84	21.311	23.171	25	39.204	15.651
9.579	10.09	10.7	11.5	12.31	13.14	13.281	14.256	15.099	44.834	12.269
37.99	40.29	43.16	46.63	50.16	53.88	55.058	59.282	62.722	27.764	32.913
41.64	44.25	47.43	51.16	54.89	58.74	59.926	64.065	67.169	31.686	36.081

-12.749	0	0	2.15	3.423	17.75	56.79	112.706	59.965
27.351	0	0	2.152	3.691	12.694	39.196	76.822	52.989
13.941	0	0	1.422	2.393	13.509	44.713	91.125	57.063
27.372	0	0	1.874	3.265	14.874	48.186	97.482	62.927
37.351	0	0	1.228	2.042	4.64	12.714	29.212	27.196
21.261	0	0	2.081	3.533	10.731	31.913	60.341	42.069
37.025	0	0	5.092	8.387	23.212	64.955	111.984	107.363
5.92	0	0	0.172	0.254	24.78	92.881	203.338	105.291
-20.054	0	0	1.926	3.227	6.505	15.754	21.606	13.359
16.04	0	0	2.353	3.886	12.602	37.467	68.951	55.371
10.912	0	0	1.422	2.35	7.207	21.5	40.539	27.155
-0.485	0	0	0.255	0.446	5.918	20.449	42.297	23.05
6.185	0	0	0.596	1.032	10.878	37.829	79.463	44.453

13-25	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
act								
9.729	0	0	1.215	2.11	16.762	58.399	122.868	69.923
5.902	0	0	1.013	1.767	18.08	64.108	135.819	75.121
2.838	0	0	0.524	0.843	17.295	62.84	135.465	72.009
13.324	0	0	0.789	1.376	20.409	73.859	159.413	87.668
-1.781	0	0	1.768	2.916	12.498	40.438	79.888	46.341
-3.437	0	0	1.577	2.764	11.265	36.027	70.155	42.084
-9.114	0	0	1.745	2.605	9.949	32.054	63.333	35.065
46.475	0	0	3.047	5.369	10.876	29.008	50.137	45.044
0.714	0	0	1.004	1.74	15.117	52.308	108.813	59.985
6.563	0	0	1.504	2.346	16.03	55.206	115.654	64.49
12.012	0	0	0.674	1.197	21.394	77.851	168.236	90.949
12.439	0	0	0.633	1.131	23.116	84.621	183.393	98.466
11.703	0	0	0.638	1.131	22.45	82.022	177.562	95.375
10.806	0	0	0.597	1.064	12.252	43.416	92.691	52.443
17.476	0	0	1.139	2.037	14.234	48.899	102.576	60.657
11.159	0	0	0.743	1.323	15.745	56.005	119.659	66.643
44.924	0	0	4.168	6.912	12.985	33.652	57.636	49.102
48.989	0	0	5.033	8.207	14.955	38.505	65.833	55.089

6.608	4.214	2.035	-3.396	-5.632	-7.456	-7.57	-7.438	-7.45
24.747	25.265	25.063	21.983	21.351	20.244	20.739	21.7	22.885
20.593	20.332	19.118	14.984	12.913	11.392	11.398	11.733	12.262
23.75	24.416	24.542	21.419	20.366	19.461	20.008	20.933	22.118
24.73	26.894	28.776	29.427	31.032	33.849	34.255	35.228	36.146
19.763	19.785	19.341	16.344	15.492	15.423	15.869	16.689	17.686
99.089	91.985	76.676	54.243	42.635	34.939	33.48	33.63	34.784
9.559	11.363	13.326	11.267	10.357	4.356	4.479	4.706	4.995
5.26	2.95	0.021	-5.354	-8.053	-9.441	-10.501	-11.427	-12.332
39.629	37.119	31.519	22.556	18.013	14.808	14.264	14.375	14.889
11.438	11.53	11.248	9.318	8.755	8.164	8.296	8.678	9.178
2.948	2.124	1.379	-0.936	-3.505	0.31	0.218	0.171	0.145
7.786	7.788	7.811	5.619	3.941	4.699	4.79	4.992	5.262

2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
				% Impact				
14.801	15.654	16.125	13.292	12.271	8.806	8.756	8.933	9.254
12.823	13.632	14.121	11.13	9.869	5.749	5.628	5.701	5.905
7.751	8.716	9.715	7.613	6.598	2.747	2.713	2.793	2.932
14.675	16.168	17.548	15.348	14.663	10.176	10.384	10.795	11.331
11.088	10.72	9.717	5.857	4.126	1.662	1.171	0.885	0.722
12.82	12.485	11.228	7.053	5.177	2.792	2.013	1.412	0.955
6.123	5.249	3.825	0.203	-1.648	-3.852	-4.502	-5.016	-5.458
32.988	34.071	34.3	31.356	31.511	32.3	33.387	35.117	37.228
9.665	9.985	10.083	7.097	5.731	2.422	2.18	2.076	2.049
11.509	11.969	12.247	9.581	8.588	5.458	5.479	5.714	6.027
12.831	14.429	16.061	13.941	13.228	8.619	8.901	9.351	9.896
13.257	15.048	16.89	14.726	14.017	8.88	9.18	9.648	10.213
12.803	14.474	16.199	14.03	13.281	8.389	8.669	9.114	9.65
9.91	10.788	11.606	10.075	9.437	7.679	7.953	8.345	8.797
15.169	16.253	17.128	15.104	14.618	12.316	12.771	13.438	14.195
11.537	12.664	13.77	11.976	11.397	8.193	8.403	8.777	9.256
34.442	34.646	34.075	30.752	30.667	31.572	32.682	34.396	36.455
38.096	38.077	37.196	33.554	33.511	34.582	35.773	37.646	39.908

-7.396	-7.474	-7.94	-8.592	-10.019	-12.749	-18.527	-25.511	-34.967
23.781	25.105	26.703	28.655	30.572	32.419	32.42	34.377	35.783
12.679	13.344	14.119	15.011	15.745	16.225	15.5	15.79	15.639
23.011	24.327	25.954	28.021	30.176	32.437	33.275	36.172	38.963
36.625	37.245	37.929	38.733	39.416	39.904	38.561	39.086	38.862
18.393	19.462	20.791	22.476	24.098	25.593	25.097	26.597	27.363
36.209	38.513	40.94	42.962	43.685	42.389	37.998	33.695	28.205
5.22	5.512	5.815	6.159	6.513	6.867	6.979	7.334	7.621
-13.381	-14.303	-15.424	-16.834	-19.076	-22.612	-29.81	-35.344	-43.622
15.462	16.438	17.495	18.438	18.872	18.535	16.562	15.227	13.124
9.485	10.021	10.73	11.633	12.449	13.211	12.39	13.472	13.77
0.072	0.035	-0.012	-0.075	-0.23	-0.529	-1.332	-1.896	-2.83
5.44	5.727	6.082	6.55	6.988	7.36	7.08	7.471	7.606

2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
9.372	9.722	10.153	10.654	11.004	11.123	9.76	9.819	9.057
5.937	6.164	6.447	6.76	6.914	6.824	5.4	5.186	4.172
2.972	3.102	3.239	3.386	3.444	3.36	2.495	2.274	1.527
11.73	12.309	12.978	13.791	14.607	15.411	15.504	16.454	17.239
0.321	0.154	0.029	-0.171	-0.791	-1.996	-5.849	-7.322	-10.779
0.233	-0.275	-0.811	-1.557	-2.851	-4.945	-9.889	-12.711	-17.63
-6.059	-6.508	-6.96	-7.582	-8.673	-10.376	-14.815	-16.575	-20.74
38.769	41.133	44.085	47.728	51.633	55.942	57.655	63.312	68.328
1.855	1.806	1.792	1.773	1.508	0.87	-1.335	-2.437	-4.566
6.182	6.53	6.956	7.47	7.84	8.012	6.589	6.854	6.07
10.283	10.844	11.507	12.358	13.252	14.163	14.446	15.506	16.522
10.617	11.196	11.877	12.75	13.679	14.641	15.014	16.164	17.315
10.036	10.587	11.231	12.053	12.917	13.794	14.07	15.076	16.04
9.089	9.541	10.136	10.938	11.804	12.717	13.117	14.268	15.484
14.692	15.479	16.508	17.878	19.337	20.84	21.311	23.171	25
9.579	10.086	10.703	11.495	12.309	13.144	13.281	14.256	15.099
37.986	40.294	43.163	46.626	50.162	53.876	55.058	59.282	62.722
41.644	44.253	47.431	51.158	54.893	58.735	59.926	64.065	67.169

Patternmak,mark&cut:tex,fur&leath prod	21.818	17.751	13.309	0	0	2.625
Tailors & dressmakers	30.37	37.066	52.081	0	0	4.768
Furriers	23.41	25.532	35.706	0	0	2.473
Milliners, hat & cap makers	26.101	32.091	42.378	0	0	3.713
Shoemaking & repairing	34.013	36.362	49.536	0	0	5.474
Upholsterers	26.996	40.506	62.063	0	0	3.545
Sewing machine operators, textile mat	25.465	29.569	39.116	0	0	3.841
Inspect&rltd:fabric&rltd,tex,fur&leath	18.305	22.21	27.708	0	0	3.07
Labour:fabri,assmbl&repair,tex,fur&lthr	18.971	24.12	30.645	0	0	3.137
Fabric&rltd:tex,fur&leather prod, nec	20.815	17.653	20.993	0	0	2.511
Fabricating, Assembling & Repairing Occupations: Rubber, Plastic & Related Products	26.135	-10.374	-34.925	0	0	4.922
Foremn/wn:fabric&rltd:rubber&rltd prods	35.953	-19	-53.395	0	0	5.939
Bond&cementing:rubber,plastic&rltd prod	14.063	16.174	19.543	0	0	2.31
Moulding:Rubber, plastic&rltd products	32.368	-34.745	-79.462	0	0	7.365
Cut&finishing:rubber, plastic&rltd prod	42.903	-10.654	-39.934	0	0	4.697
Insp&rltd:fabric&rltd,rubber&rltd prod	20.559	-15.604	-43.327	0	0	4.651
Labour:fabri&rltd,rubbr,plast&rltd prod	35.048	-31.438	-73.337	0	0	6.966
Fabri,assmb&repair:rbbr&rltd prods, nec	34.969	-23.015	-61.27	0	0	6.48

	Yukon Occupation Impact Govt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
			Average % Impact				
	Mechanics & Repairers, NEC	26.171	28.216	35.912	0	0	2.217
	Foremen/women:Mechanics&repairers, nec	26.576	33.79	46.91	0	0	2.665
	Motor vehicle mechanics & repairers	22.797	35.432	53.567	0	0	3.032
	Aircraft mechanics & repairers	50.535	72.067	37.932	0	0	4.453
	Rail transport eqpt mechanics&repairers	8.498	6.88	8.181	0	0	0.424
	Indust,farm&construc mach mechncs&reprs	30.518	9.77	9.015	0	0	0.413
	Business&commercial mach mechncs&reprs	18.86	4.306	-11.712	0	0	1.561
	Inspecting & rltd:eqpt repair, nec	16.256	37.642	42.693	0	0	1.185
	Watch & clock repairers	26.408	51.438	72.079	0	0	2.396
	Precision instrument mechncs&repairers	12.555	29.349	39.712	0	0	0.96
	Oth mechanics & repairers, nec	25.065	22.928	29.599	0	0	1.607
	Other Product Fabricating, Assembling & Repairing Occupations	20.744	19.75	23.512	0	0	2.3
	Foremn/wmn:oth prod fabric,assmbl&repr	37.161	11.827	10.293	0	0	1.061
	Jewellery&silverware fabric,assmbl&repr	18.843	29.076	39.434	0	0	2.807
	Marine craft fabric, assembl&repair	17.594	6.359	5.918	0	0	0.557
	Paper product fabricating & assembling	38.49	7.625	-10.943	0	0	6.358
	Painting & decorating, nec	17.884	31.268	44.628	0	0	2.749
	Inspct&rltd:oth prod fabric,assmbl&repr	6.917	5.194	3.858	0	0	1.227
	Labour:oth prod fabricat,assembl&repair	22.325	3.597	-1.39	0	0	0.995
	Oth prod fabricat, assmbl & repair, nec	18.697	10.793	9.779	0	0	1.719
Constructic	CONSTRUCTION TRADES	80.133	13.235	8.135	0	0	0.161

4.526	10.26	27.81	47.57	36.17	20.9	20.41	19.2	14.94	13.39	12.63	12.48	12.72	13.17
7.847	14.26	36.65	62.59	53.87	38.48	38.76	38.22	34.86	35	36.22	37.52	39.52	41.91
4.243	10.03	28.28	52.1	41.49	25.45	26.25	26.61	24.61	24.74	24.93	25.81	27.15	28.75
6.667	13.35	33.4	51.09	46.7	35.96	35.5	33.54	28.12	27.3	28.2	29.29	31.02	33.09
8.778	15.97	41.4	71.57	57.9	38.48	38.34	37.31	33.84	33.91	34.99	36.2	38.07	40.35
6.264	12.26	31.95	54.8	51.92	40.36	41.64	42.16	38.95	39.39	40.93	42.87	45.5	48.44
6.371	12	31	52.76	44.78	31.3	31.35	30.66	27.4	27.16	27.87	28.79	30.26	32.04
5.101	9.054	22.46	36.42	32.42	24.19	23.97	23.12	20.12	19.71	20.3	20.97	22.08	23.39
5.252	9.357	23.16	37.22	33.9	25.99	25.94	25.17	22.05	21.55	22.29	22.97	24.06	25.41
4.137	9.399	25.84	46.21	34.55	19.36	19.19	18.54	15.9	15.35	15.45	15.91	16.68	17.64
7.571	16.03	38.25	57.66	31.32	4.944	-2.849	-10.19	-19.97	-22.55	-22.86	-22.83	-22.27	-22.14
9.017	20.96	52.49	83.76	42	0.926	-9.417	-18.92	-31.14	-34.33	-35.48	-35.62	-35.13	-35.24
3.853	7.316	17.84	27.63	24.65	18.47	17.88	16.9	14.03	13.61	14.14	14.71	15.69	16.75
11.1	22.55	51.03	71.48	29.97	-8.477	-22.77	-35.38	-50.01	-53.45	-53.47	-53.72	-53.22	-53.61
7.146	21.36	59.34	105.5	55.34	5.532	-2.409	-10.02	-20.74	-23.98	-26.34	-26.48	-26.09	-26.18
7.128	14.07	31.73	43.75	21.37	0.313	-7.868	-15.55	-25.34	-28.1	-28.3	-28.52	-28.28	-28.51
10.5	22.66	53.57	79.96	35.32	-7.088	-20.28	-31.89	-45.73	-48.96	-49.55	-49.75	-49.25	-49.58
9.871	21.69	52.25	79.5	38.74	-0.791	-12.42	-23.04	-36.37	-39.88	-40.58	-40.8	-40.34	-40.57
2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
										% Impact			
3.843	10.79	31.62	59.85	46.77	28.9	29.66	29.52	26.64	26.29	25.92	26.61	27.9	29.45
4.662	11.28	31.69	58.32	49.07	33.8	34.92	35.2	32.44	32.54	32.88	33.96	35.73	37.82
5.329	10.47	27.14	45.83	43.93	35.13	36.29	36.79	34.24	34.69	35.94	37.35	39.47	41.97
7.469	21.7	61.62	107.6	103.6	96.36	90.03	75.67	54.51	43.62	35.84	34.41	34.54	35.63
0.734	3.352	10.85	21.52	15.01	7.547	7.664	7.29	6.136	5.798	5.378	5.543	5.884	6.33
0.658	10.51	37.9	82.65	46.54	8.784	9.795	10.74	9.84	9.699	7.601	7.738	8.021	8.311
2.63	8.546	25.35	45.98	27.35	8.562	7.442	5.613	1.166	-1.147	-3.115	-4.082	-4.938	-5.719
1.839	5.108	15.02	38.26	35.97	34.98	37.13	38.3	38.18	39.56	40.94	40.85	41.06	41.4
4.205	9.855	27.38	57.9	53.97	46.23	49.67	52.6	53.01	55.86	58.47	59.77	61.68	63.76
1.373	3.821	11.27	29.82	26.27	24.48	27.25	29.65	31.65	34.46	36.6	37.1	38.37	39.38
2.799	9.736	30.04	60.54	42.97	21.91	23.14	24.02	22.65	22.93	22.88	23.42	24.39	25.5
3.978	9.497	25.9	45.28	35.56	21.8	21.61	20.81	17.62	16.94	17.1	17.59	18.46	19.54
1.865	13.73	46.8	97.1	56.1	12.58	12.97	13.13	10.67	9.819	7.566	7.769	8.189	8.712
4.943	8.876	22.06	36.02	36.18	29.63	30.25	30.36	27.69	27.51	28.28	29.07	30.27	31.9
1.04	6.71	22.57	46.14	27.38	6.759	6.882	6.993	5.796	5.369	4.259	4.347	4.576	4.865
9.825	22.11	55.03	82.5	51.88	22.26	16.34	8.841	-2.59	-5.955	-6.538	-6.189	-5.449	-5.008
4.827	8.618	21.09	33.69	35.54	31.96	32.62	32.45	29.62	29.63	31.04	32.11	33.8	35.78
1.987	3.852	9.231	13.61	10.72	7.076	6.502	5.572	3.656	3.073	3.22	3.321	3.585	3.865
1.602	8.952	28.87	57.28	31.94	5.561	5.048	4.402	2.003	0.983	-0.245	-0.277	-0.207	-0.152
3.029	8.492	24.02	42.79	29.58	13.57	12.84	11.65	8.578	7.548	7.453	7.606	7.995	8.513
0.279	26.59	99.74	218.4	113.3	11.1	13.22	15.51	13.52	12.78	6.279	6.426	6.686	7.023

13.16	13.59	14.27	15.14	15.68	15.71	12.521	12.077	9.927	21.818	17.751
43.77	46.54	49.94	53.98	58.14	62.58	64.455	69.606	73.921	30.37	37.066
29.89	31.58	33.73	36.41	39.27	42.41	43.93	47.795	51.495	23.41	25.532
34.79	37.16	40.35	44.35	48.3	52.47	52.231	58.07	61.834	26.101	32.091
42.15	44.83	48.06	51.76	55.43	59.18	60.605	64.543	67.503	34.013	36.362
50.63	53.82	57.95	63.25	69.13	75.78	79.501	88.21	96.884	26.996	40.506
33.34	35.31	37.77	40.74	43.73	46.8	47.433	50.793	53.337	25.465	29.569
24.25	25.6	27.29	29.36	31.35	33.17	32.65	34.208	34.896	18.305	22.21
26.28	27.67	29.49	31.79	34.08	36.43	36.477	39.252	41.39	18.971	24.12
18.29	19.3	20.56	22.13	23.62	25.04	24.659	26.028	26.734	20.815	17.653
-21.55	-21.5	-22.61	-24.19	-27.72	-34.53	-48.28	-67.3	-92.26	26.135	-10.374
-34.7	-34.94	-36.77	-39.45	-44.73	-54.25	-72.23	-98.29	*******	35.953	-19
17.55	18.61	19.86	21.46	22.88	23.97	22.804	22.801	21.947	14.063	16.174
-53.17	-53.82	-56.63	-60.85	-68.57	-81.97	*******	*******	*******	32.368	-34.745
-25.71	-25.84	-27.19	-29.21	-33.21	-40.52	-54.06	-73.62	-99.16	42.903	-10.654
-28.29	-28.65	-30.21	-32.43	-36.71	-44.36	-59.05	-79.01	*******	20.559	-15.604
-49.08	-49.6	-52.15	-55.96	-63	-75.35	-97.76	*******	*******	35.048	-31.438
-40.13	-40.55	-42.69	-45.84	-51.89	-62.71	-82.97	*******	*******	34.969	-23.015

2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**
									Average % Imp	
30.67	32.42	34.55	37.14	39.81	42.57	43.543	46.892	49.891	26.171	28.216
39.46	41.78	44.65	48.17	51.93	56.01	57.995	63.16	68.028	26.576	33.79
43.96	46.79	50.32	54.7	59.48	64.88	67.986	75.052	81.773	22.797	35.432
37.1	39.43	41.83	43.78	44.46	43.12	39.276	34.654	29.167	50.535	72.067
6.737	7.319	8.021	8.768	9.488	10.19	10.419	11.062	11.677	8.498	6.88
8.528	8.792	9.095	9.452	9.773	10.02	9.804	9.973	9.963	30.518	9.77
-6.726	-7.572	-8.464	-9.575	-11.33	-14	-19.78	-23.45	-29.4	18.86	4.306
41.68	42.16	42.75	43.43	44.02	44.42	43.736	44.256	44.266	16.256	37.642
65.26	67.29	69.82	72.99	76.45	80.42	82.414	87.394	92.302	26.408	51.438
40.08	40.76	41.26	41.6	41.69	41.53	39.983	39.794	38.79	12.555	29.349
26.29	27.43	28.82	30.55	32.31	34.1	34.364	36.499	38.265	25.065	22.928
20.33	21.5	22.96	24.85	26.66	28.39	27.862	29.492	30.359	20.744	19.75
9.125	9.691	10.34	11.15	11.88	12.49	11.984	12.298	12.197	37.161	11.827
32.95	34.58	36.73	39.67	42.84	46.63	48.067	52.675	57.362	18.843	29.076
5.085	5.426	5.836	6.344	6.826	7.252	7.08	7.43	7.523	17.594	6.359
-4.426	-4.02	-3.695	-3.336	-4.583	-8.083	-18.45	-27.57	-41.5	38.49	7.625
37.31	39.56	42.38	45.91	49.65	53.71	55.389	60.52	65.162	17.884	31.268
4.056	4.33	4.657	5.077	5.275	5.165	3.638	2.831	1.261	6.917	5.194
-0.126	-0.084	-0.076	-0.075	-0.339	-1.016	-2.965	-4.657	-7.237	22.325	3.597
8.889	9.434	10.12	11.03	11.74	12.24	10.763	10.841	9.939	18.697	10.793
7.283	7.625	7.979	8.385	8.809	9.246	9.412	9.892	10.332	80.133	13.235

13.309	0	0	2.625	4.526	10.256	27.81	47.568	36.173
52.081	0	0	4.768	7.847	14.264	36.653	62.589	53.867
35.706	0	0	2.473	4.243	10.026	28.282	52.102	41.487
42.378	0	0	3.713	6.667	13.346	33.403	51.086	46.697
49.536	0	0	5.474	8.778	15.965	41.399	71.567	57.898
62.063	0	0	3.545	6.264	12.258	31.953	54.802	51.919
39.116	0	0	3.841	6.371	11.996	30.996	52.763	44.779
27.708	0	0	3.07	5.101	9.054	22.46	36.417	32.422
30.645	0	0	3.137	5.252	9.357	23.158	37.219	33.902
20.993	0	0	2.511	4.137	9.399	25.844	46.21	34.55
-34.925	0	0	4.922	7.571	16.026	38.247	57.664	31.315
-53.395	0	0	5.939	9.017	20.964	52.488	83.76	41.996
19.543	0	0	2.31	3.853	7.316	17.838	27.628	24.65
-79.462	0	0	7.365	11.104	22.553	51.032	71.482	29.97
-39.934	0	0	4.697	7.146	21.358	59.341	105.493	55.343
-43.327	0	0	4.651	7.128	14.065	31.733	43.747	21.369
-73.337	0	0	6.966	10.499	22.657	53.574	79.958	35.321
-61.27	0	0	6.48	9.871	21.694	52.245	79.497	38.744

13-25 pact	2000	2001	2002	2003	2004	2005	2006	2007
35.912	0	0	2.217	3.843	10.787	31.622	59.853	46.773
46.91	0	0	2.665	4.662	11.276	31.692	58.317	49.068
53.567	0	0	3.032	5.329	10.465	27.14	45.826	43.927
37.932	0	0	4.453	7.469	21.701	61.622	107.618	103.55
8.181	0	0	0.424	0.734	3.352	10.846	21.517	15.006
9.015	0	0	0.413	0.658	10.505	37.901	82.652	46.54
-11.712	0	0	1.561	2.63	8.546	25.348	45.984	27.353
42.693	0	0	1.185	1.839	5.108	15.022	38.26	35.971
72.079	0	0	2.396	4.205	9.855	27.376	57.901	53.972
39.712	0	0	0.96	1.373	3.821	11.274	29.819	26.27
29.599	0	0	1.607	2.799	9.736	30.035	60.54	42.966
23.512	0	0	2.3	3.978	9.497	25.9	45.281	35.561
10.293	0	0	1.061	1.865	13.729	46.796	97.095	56.097
39.434	0	0	2.807	4.943	8.876	22.055	36.023	36.176
5.918	0	0	0.557	1.04	6.71	22.569	46.14	27.375
-10.943	0	0	6.358	9.825	22.112	55.033	82.499	51.877
44.628	0	0	2.749	4.827	8.618	21.087	33.693	35.541
3.858	0	0	1.227	1.987	3.852	9.231	13.606	10.719
-1.39	0	0	0.995	1.602	8.952	28.87	57.28	31.937
9.779	0	0	1.719	3.029	8.492	24.021	42.786	29.576
8.135	0	0	0.161	0.279	26.591	99.738	218.408	113.294

20.897	20.414	19.202	14.944	13.393	12.629	12.484	12.717	13.171
38.484	38.762	38.223	34.858	35.004	36.218	37.524	39.518	41.914
25.445	26.25	26.608	24.611	24.74	24.926	25.812	27.149	28.746
35.961	35.501	33.541	28.117	27.296	28.196	29.287	31.016	33.089
38.476	38.335	37.305	33.839	33.908	34.992	36.195	38.071	40.346
40.356	41.641	42.162	38.953	39.393	40.931	42.867	45.499	48.435
31.303	31.352	30.657	27.401	27.161	27.871	28.789	30.256	32.043
24.188	23.969	23.123	20.119	19.708	20.304	20.972	22.084	23.389
25.988	25.942	25.167	22.053	21.545	22.289	22.967	24.06	25.411
19.359	19.192	18.539	15.904	15.352	15.454	15.907	16.681	17.641
4.944	-2.849	-10.188	-19.969	-22.545	-22.855	-22.832	-22.265	-22.137
0.926	-9.417	-18.917	-31.138	-34.332	-35.479	-35.615	-35.133	-35.238
18.472	17.884	16.898	14.031	13.611	14.135	14.714	15.688	16.753
-8.477	-22.774	-35.381	-50.01	-53.45	-53.469	-53.72	-53.22	-53.613
5.532	-2.409	-10.021	-20.738	-23.979	-26.335	-26.48	-26.09	-26.178
0.313	-7.868	-15.551	-25.335	-28.099	-28.297	-28.515	-28.283	-28.506
-7.088	-20.28	-31.89	-45.733	-48.962	-49.546	-49.753	-49.252	-49.575
-0.791	-12.417	-23.035	-36.368	-39.876	-40.58	-40.795	-40.338	-40.567

% Impact

2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
28.899	29.662	29.523	26.641	26.288	25.917	26.613	27.899	29.45
33.803	34.923	35.201	32.438	32.537	32.881	33.964	35.732	37.821
35.13	36.291	36.786	34.235	34.689	35.943	37.345	39.465	41.972
96.362	90.031	75.67	54.506	43.623	35.843	34.407	34.54	35.634
7.547	7.664	7.29	6.136	5.798	5.378	5.543	5.884	6.33
8.784	9.795	10.739	9.84	9.699	7.601	7.738	8.021	8.311
8.562	7.442	5.613	1.166	-1.147	-3.115	-4.082	-4.938	-5.719
34.984	37.131	38.295	38.182	39.562	40.939	40.852	41.062	41.398
46.228	49.674	52.598	53.012	55.856	58.473	59.769	61.681	63.757
24.479	27.254	29.651	31.645	34.46	36.603	37.099	38.372	39.381
21.911	23.142	24.019	22.646	22.93	22.877	23.422	24.392	25.501
21.797	21.61	20.806	17.621	16.943	17.095	17.587	18.463	19.536
12.576	12.966	13.127	10.673	9.819	7.566	7.769	8.189	8.712
29.628	30.252	30.356	27.686	27.505	28.277	29.071	30.267	31.903
6.759	6.882	6.993	5.796	5.369	4.259	4.347	4.576	4.865
22.258	16.34	8.841	-2.59	-5.955	-6.538	-6.189	-5.449	-5.008
31.964	32.616	32.448	29.621	29.634	31.042	32.108	33.799	35.778
7.076	6.502	5.572	3.656	3.073	3.22	3.321	3.585	3.865
5.561	5.048	4.402	2.003	0.983	-0.245	-0.277	-0.207	-0.152
13.568	12.836	11.65	8.578	7.548	7.453	7.606	7.995	8.513
11.104	13.223	15.514	13.519	12.78	6.279	6.426	6.686	7.023

13.156	13.593	14.27	15.14	15.679	15.708	12.521	12.077	9.927
43.77	46.537	49.936	53.981	58.142	62.579	64.455	69.606	73.921
29.893	31.58	33.726	36.409	39.269	42.409	43.93	47.795	51.495
34.789	37.155	40.348	44.352	48.302	52.472	52.231	58.07	61.834
42.153	44.834	48.059	51.76	55.427	59.177	60.605	64.543	67.503
50.628	53.819	57.951	63.253	69.132	75.783	79.501	88.21	96.884
33.337	35.312	37.773	40.744	43.727	46.8	47.433	50.793	53.337
24.254	25.596	27.288	29.364	31.349	33.174	32.65	34.208	34.896
26.283	27.671	29.49	31.789	34.078	36.433	36.477	39.252	41.39
18.288	19.296	20.558	22.129	23.62	25.041	24.659	26.028	26.734
-21.554	-21.504	-22.607	-24.187	-27.724	-34.533	-48.28	-67.298	-92.256
-34.698	-34.938	-36.769	-39.449	-44.727	-54.248	-72.231	-98.292	*******
17.553	18.607	19.858	21.459	22.882	23.971	22.804	22.801	21.947
-53.169	-53.822	-56.633	-60.847	-68.565	-81.967	*******	*******	*******
-25.714	-25.842	-27.187	-29.211	-33.209	-40.523	-54.06	-73.621	-99.158
-28.292	-28.651	-30.211	-32.426	-36.706	-44.358	-59.052	-79.006	*******
-49.078	-49.604	-52.152	-55.958	-63.004	-75.349	-97.759	*******	*******
-40.126	-40.546	-42.69	-45.839	-51.893	-62.708	-82.969	*******	*******

2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
30.669	32.417	34.55	37.14	39.808	42.567	43.543	46.892	49.891
39.456	41.782	44.648	48.172	51.926	56.014	57.995	63.16	68.028
43.957	46.79	50.317	54.7	59.482	64.882	67.986	75.052	81.773
37.098	39.427	41.833	43.781	44.461	43.12	39.276	34.654	29.167
6.737	7.319	8.021	8.768	9.488	10.185	10.419	11.062	11.677
8.528	8.792	9.095	9.452	9.773	10.02	9.804	9.973	9.963
-6.726	-7.572	-8.464	-9.575	-11.327	-13.999	-19.778	-23.45	-29.402
41.678	42.16	42.752	43.43	44.018	44.417	43.736	44.256	44.266
65.263	67.294	69.821	72.989	76.449	80.416	82.414	87.394	92.302
40.084	40.756	41.264	41.595	41.69	41.527	39.983	39.794	38.79
26.288	27.428	28.819	30.545	32.306	34.099	34.364	36.499	38.265
20.331	21.499	22.963	24.853	26.659	28.393	27.862	29.492	30.359
9.125	9.691	10.337	11.148	11.876	12.486	11.984	12.298	12.197
32.946	34.575	36.731	39.666	42.839	46.626	48.067	52.675	57.362
5.085	5.426	5.836	6.344	6.826	7.252	7.08	7.43	7.523
-4.426	-4.02	-3.695	-3.336	-4.583	-8.083	-18.453	-27.571	-41.495
37.308	39.557	42.382	45.912	49.654	53.709	55.389	60.52	65.162
4.056	4.33	4.657	5.077	5.275	5.165	3.638	2.831	1.261
-0.126	-0.084	-0.076	-0.075	-0.339	-1.016	-2.965	-4.657	-7.237
8.889	9.434	10.121	11.029	11.741	12.241	10.763	10.841	9.939
7.283	7.625	7.979	8.385	8.809	9.246	9.412	9.892	10.332

Excavating, Grading, Paving & Related Occupations	59.067	14.106	11.919	0	0	0.285
Foremn/wn:Excavating,grading,pav&rltd	60.689	14.897	12.792	0	0	0.318
Excavating, grading & rltd	63.705	15.08	12.513	0	0	0.223
Paving, surfacing & rltd	76.748	13.1	8.635	0	0	0.224
Railway section & track workers	11.134	5.814	6.802	0	0	0.265
Labour:excavat,grading,paving&rltd act	38.808	12.182	12.197	0	0	0.497
Excavating,grading,pav&rltd occs, nec	53.216	12.179	10.173	0	0	0.245
Electrical Power, Lighting & Wire Communications Equipment Erecting, Installing & Repairing Occupations	67.97	12.206	7.363	0	0	0.239
Foremn/wmn:elec pwr,erect,install&repr	65.025	10.232	5.231	0	0	0.232
Electrical power line workers & rltd	32.829	6.578	4.024	0	0	0.198
Construction electricians & repairers	81.755	13.056	7.577	0	0	0.144
Wire communicatn&rltd eqpt install&repr	37.071	14.255	10.349	0	0	0.659
Insp&rltd:elec pow,erect,install&repr	20.743	9.126	8.044	0	0	0.658
Labour:elec power, erect,install&repair	39.62	9.131	5.671	0	0	0.433
Elec pow&wire comms eqpt erect&rltd,nec	38.915	15.12	14.499	0	0	0.249

	Yukon Occupation Impact Govt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
		Average % Impact					
	Other Construction Trades Occupations	86.308	13.247	7.557	0	0	0.123
	Foremen/women:oth construction trades	88.207	12.947	7.009	0	0	0.094
	Carpenters & rltd	87.209	12.623	6.649	0	0	0.083
	Brick & stone masons & tile setters	92.296	12.995	6.723	0	0	0.037
	Concrete finishing & rltd	88.927	12.772	6.818	0	0	0.058
	Plasterers & rltd	93.54	12.996	6.529	0	0	0.025
	Painters, paperhangers & rltd	88.476	12.946	6.712	0	0	0.114
	Insulating, construction	88.231	13.452	7.549	0	0	0.081
	Roofing, waterproofing & rltd	93.799	13.07	6.611	0	0	0.027
	Pipefitting, plumbing & rltd	81.535	13.606	8.444	0	0	0.139
	Structural metal erectors	68.994	10.504	6.085	0	0	0.086
	Glaziers	79.488	16.91	14.329	0	0	0.675
	Inspect,testng,gradng&smplng:oth constr	41.247	29.178	31.424	0	0	1.154
	Labouring:oth construction trades	88.917	12.797	6.627	0	0	0.068
	Oth construction trades, nec	77.066	14.92	10.925	0	0	0.324
Transport	TRANSPORT EQUIPMENT OPERATING	15.784	14.05	14.997	0	0	1.221
	Air Transport Operating Occupations	62.933	89.184	45.847	0	0	5.609
	Foremen/women:Air transport operating	51.398	70.232	35.171	0	0	4.438
	Air pilots, navigators&flight engineers	81.521	116.178	60.481	0	0	7.189
	Air transport operating support	42.383	60.054	30.65	0	0	3.843
	Air transport operating, nec	81.994	118.296	61.409	0	0	7.325
	Railway Transport Operating Occupations	2.994	4.716	5.471	0	0	0.213
	Foremn/wmn:Railway transport operating	3.927	15.382	19.919	0	0	0.265
	Locomotive operating	2.391	1.374	1.485	0	0	0.177

0.497	19.81	73.55	160.9	86.48	12.4	14.13	15.83	14.26	13.89	9.355	9.561	9.91	10.35
0.551	20.36	75.5	165.1	88.84	13.16	14.94	16.65	15.04	14.68	10.1	10.31	10.68	11.14
0.383	21.19	79.01	173.7	92.84	12.88	14.87	16.91	15.5	15.22	10.35	10.53	10.84	11.23
0.385	25.62	95.84	209.1	109	11.38	13.3	15.29	13.15	12.34	6.147	6.346	6.676	7.102
0.493	4.107	14.31	30.01	18.68	6.048	6.329	6.273	5.349	5.094	4.349	4.512	4.811	5.19
0.886	13.52	48.79	104.2	58.65	11.89	12.8	13.38	11.65	11.19	8.407	8.699	9.176	9.787
0.429	17.9	66.34	144.8	77.94	10.64	12.21	13.77	12.32	11.95	7.683	7.885	8.235	8.667
0.458	22.73	84.78	185	97.31	10.56	12.37	14.18	12.28	11.63	6.123	6.204	6.39	6.645
0.392	21.8	81.26	177.2	92.77	8.838	10.46	12.14	10.24	9.466	4.025	4.1	4.278	4.519
0.344	11.18	40.84	88.73	48.09	5.801	6.706	7.59	6.563	6.221	3.571	3.583	3.656	3.771
0.212	27.01	101.6	223.1	115.4	10.79	12.97	15.36	13.43	12.7	6.044	6.167	6.394	6.685
1.647	13.42	47.53	97.32	56.59	14.74	15.67	15.47	12.95	12.43	9.951	9.888	9.979	10.17
1.081	7.35	25.54	54.6	32.14	8.77	9.427	9.738	8.842	8.849	7.712	7.684	7.753	7.863
0.814	13.73	49.66	106.1	58.22	8.699	9.727	10.39	8.689	8.142	4.956	4.952	5.059	5.255
0.748	13.21	48.22	104.1	59.35	13.74	15.21	16.2	15.13	15.31	12.9	13.03	13.28	13.54
2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
										% Impact			
0.203	28.56	107.3	235.2	121.1	10.95	13.2	15.68	13.59	12.77	5.727	5.874	6.13	6.462
0.148	29.15	109.7	240.5	123.3	10.65	12.91	15.43	13.29	12.42	5.194	5.339	5.591	5.919
0.14	28.83	108.6	237.8	122	10.37	12.59	15.08	12.95	12.07	4.889	5.029	5.272	5.589
0.06	30.42	114.7	251.5	128.4	10.56	12.92	15.57	13.39	12.48	4.896	5.045	5.296	5.621
0.095	29.36	110.7	242.4	124.1	10.48	12.74	15.26	13.11	12.22	4.939	5.09	5.346	5.68
0.038	30.81	116.3	254.9	130	10.54	12.93	15.6	13.39	12.47	4.774	4.917	5.16	5.477
0.2	29.28	110.1	241	123.7	10.73	12.96	15.45	13.23	12.32	5.042	5.171	5.407	5.721
0.118	29.11	109.5	240.3	123.4	10.96	13.3	15.93	13.9	13.13	5.931	6.075	6.324	6.634
0.042	30.9	116.6	255.6	130.3	10.61	13	15.68	13.46	12.54	4.834	4.98	5.226	5.546
0.22	27	101.3	222.1	115	11.21	13.45	15.92	14.05	13.38	6.742	6.884	7.136	7.45
0.137	22.98	85.97	188.1	97.94	8.625	10.48	12.56	10.81	10.04	4.294	4.44	4.707	5.033
1.211	26.88	98.75	214.3	114.1	14.99	17.09	19.29	16.96	16.19	10.22	10.53	11.05	11.71
1.581	13.36	47.39	110	67.09	25.24	27.81	30.18	30.54	32.1	31.08	31.08	31.28	31.51
0.111	29.37	110.6	242.4	124.1	10.48	12.76	15.3	13.15	12.26	4.942	5.076	5.313	5.624
0.573	25.75	95.86	209.4	110	12.9	14.97	17.13	15.11	14.45	8.416	8.613	8.95	9.388
2.007	6.971	20.57	36.62	26.62	16.05	15.84	14.75	12.21	11.36	10.59	10.79	11.35	12.12
9.417	27.31	77.41	134	129.2	120.2	112	93.71	66.75	52.79	42.84	41.08	41.34	42.81
7.454	22.09	63.08	110.2	104.1	94.84	88.37	73.88	52.53	41.44	33.43	31.96	32.05	33.1
12.09	35.46	100.8	174.9	168.5	156.6	145.8	122	86.98	68.83	55.92	53.75	54.22	56.27
6.438	18.37	51.82	89.37	86.46	80.89	75.46	63.12	44.97	35.57	28.87	27.62	27.74	28.68
12.38	35.88	101.5	175.2	170	159.4	148.4	124.3	88.53	69.99	56.95	54.73	55.19	57.28
0.362	1.214	3.553	7.222	6.018	4.727	4.94	4.912	4.531	4.485	4.482	4.503	4.622	4.783
0.468	1.134	2.951	8.912	10.76	13.4	14.75	15.69	16.12	16.89	17.64	17.66	17.9	18.22
0.282	1.054	3.166	6.087	4	1.628	1.604	1.486	1.146	1.016	0.907	0.94	1.019	1.112

10.72	11.21	11.74	12.32	12.9	13.48	13.73	14.315	14.908	59.067	14.106
11.53	12.04	12.6	13.22	13.83	14.43	14.681	15.296	15.916	60.689	14.897
11.55	11.95	12.37	12.85	13.34	13.82	14.004	14.502	15.005	63.705	15.08
7.452	7.916	8.416	8.967	9.528	10.11	10.406	11.006	11.617	76.748	13.1
5.541	6.025	6.609	7.24	7.863	8.492	8.791	9.398	10.029	11.134	5.814
10.32	11.07	11.92	12.82	13.68	14.53	14.947	15.771	16.604	38.808	12.182
9.032	9.508	10.02	10.58	11.13	11.69	11.949	12.509	13.07	53.216	12.179
6.824	7.093	7.373	7.676	7.957	8.208	8.078	8.402	8.531	67.97	12.206
4.695	4.952	5.218	5.507	5.784	6.04	5.97	6.284	6.419	65.025	10.232
3.845	3.974	4.108	4.241	4.349	4.419	4.218	4.306	4.21	32.829	6.578
6.902	7.182	7.462	7.79	8.137	8.493	8.592	9.001	9.336	81.755	13.056
10.23	10.57	10.98	11.32	11.4	11.24	9.889	9.88	9.073	37.071	14.255
7.917	8.077	8.273	8.458	8.55	8.557	7.809	8.115	7.789	20.743	9.126
5.393	5.643	5.889	6.102	6.25	6.309	5.948	6.041	5.857	39.62	9.131
13.73	14.08	14.51	14.95	15.3	15.61	15.362	15.869	16.151	38.915	15.12

2017	2018	2019	2020	2021	2022	2023	2024	2025	7-Feb	12-Aug
									Average % Imp	
6.714	7.042	7.378	7.769	8.189	8.631	8.834	9.322	9.785	86.308	13.247
6.17	6.496	6.827	7.21	7.622	8.061	8.283	8.771	9.236	88.207	12.947
5.829	6.142	6.461	6.832	7.236	7.666	7.901	8.372	8.831	87.209	12.623
5.871	6.191	6.513	6.889	7.304	7.754	8.034	8.531	9.039	92.296	12.995
5.939	6.274	6.615	7.007	7.432	7.889	8.162	8.661	9.164	88.927	12.772
5.718	6.028	6.337	6.697	7.094	7.522	7.781	8.248	8.718	93.54	12.996
5.951	6.259	6.573	6.938	7.324	7.722	7.864	8.28	8.645	88.476	12.946
6.871	7.166	7.449	7.779	8.132	8.496	8.644	8.998	9.327	88.231	13.452
5.791	6.104	6.417	6.781	7.183	7.616	7.88	8.347	8.821	93.799	13.07
7.691	7.996	8.303	8.666	9.052	9.453	9.599	10.035	10.437	81.535	13.606
5.29	5.62	5.952	6.322	6.717	7.132	7.355	7.807	8.239	68.994	10.504
12.2	12.89	13.66	14.63	15.67	16.79	17.327	18.712	20.134	79.488	16.91
31.63	31.82	31.97	32.13	32.17	32.05	30.665	30.936	30.254	41.247	29.178
5.857	6.162	6.468	6.823	7.206	7.611	7.808	8.241	8.649	88.917	12.797
9.73	10.18	10.67	11.25	11.84	12.45	12.669	13.348	13.996	77.066	14.92
12.83	13.81	14.96	16.18	17.26	18.2	18.242	18.979	19.376	15.784	14.05
44.75	47.8	50.94	53.5	54.43	52.73	47.715	41.748	34.599	62.933	89.184
34.51	36.77	39.11	40.98	41.58	40.16	36.229	31.503	25.931	51.398	70.232
58.92	62.99	67.2	70.68	72.04	69.9	63.33	55.509	46.104	81.521	116.178
29.94	31.95	34.03	35.7	36.27	35.11	31.771	27.818	23.086	42.383	60.054
59.95	64.1	68.37	71.9	73.24	71.02	64.152	55.925	46.013	81.994	118.296
4.929	5.144	5.411	5.713	6.011	6.284	6.318	6.547	6.76	2.994	4.716
18.54	18.98	19.51	20.15	20.87	21.61	22.127	22.874	23.854	3.927	15.382
1.189	1.302	1.453	1.63	1.799	1.954	1.904	2.099	2.203	2.391	1.374

11.919	0	0	0.285	0.497	19.812	73.551	160.885	86.479
12.792	0	0	0.318	0.551	20.36	75.496	165.109	88.842
12.513	0	0	0.223	0.383	21.186	79.01	173.712	92.843
8.635	0	0	0.224	0.385	25.616	95.835	209.101	108.978
6.802	0	0	0.265	0.493	4.107	14.308	30.014	18.676
12.197	0	0	0.497	0.886	13.521	48.793	104.196	58.651
10.173	0	0	0.245	0.429	17.903	66.336	144.83	77.939
7.363	0	0	0.239	0.458	22.733	84.782	185.006	97.314
5.231	0	0	0.232	0.392	21.799	81.255	177.19	92.773
4.024	0	0	0.198	0.344	11.175	40.841	88.729	48.094
7.577	0	0	0.144	0.212	27.011	101.592	223.079	115.37
10.349	0	0	0.659	1.647	13.417	47.533	97.317	56.593
8.044	0	0	0.658	1.081	7.353	25.541	54.601	32.137
5.671	0	0	0.433	0.814	13.733	49.661	106.059	58.219
14.499	0	0	0.249	0.748	13.21	48.224	104.051	59.348

13-25 pact	2000	2001	2002	2003	2004	2005	2006	2007
7.557	0	0	0.123	0.203	28.555	107.337	235.176	121.061
7.009	0	0	0.094	0.148	29.145	109.735	240.458	123.335
6.649	0	0	0.083	0.14	28.831	108.551	237.838	122.021
6.723	0	0	0.037	0.06	30.416	114.746	251.524	128.429
6.818	0	0	0.058	0.095	29.36	110.654	242.367	124.063
6.529	0	0	0.025	0.038	30.808	116.28	254.908	129.962
6.712	0	0	0.114	0.2	29.283	110.103	241.034	123.696
7.549	0	0	0.081	0.118	29.109	109.523	240.288	123.385
6.611	0	0	0.027	0.042	30.896	116.599	255.583	130.316
8.444	0	0	0.139	0.22	27	101.284	222.083	115.047
6.085	0	0	0.086	0.137	22.983	85.971	188.094	97.941
14.329	0	0	0.675	1.211	26.879	98.747	214.317	114.118
31.424	0	0	1.154	1.581	13.359	47.394	110.022	67.091
6.627	0	0	0.068	0.111	29.366	110.613	242.358	124.125
10.925	0	0	0.324	0.573	25.749	95.855	209.415	110.028
14.997	0	0	1.221	2.007	6.971	20.572	36.624	26.624
45.847	0	0	5.609	9.417	27.312	77.412	134.025	129.164
35.171	0	0	4.438	7.454	22.088	63.078	110.154	104.123
60.481	0	0	7.189	12.086	35.464	100.801	174.89	168.487
30.65	0	0	3.843	6.438	18.365	51.82	89.373	86.456
61.409	0	0	7.325	12.378	35.884	101.456	175.216	170.031
5.471	0	0	0.213	0.362	1.214	3.553	7.222	6.018
19.919	0	0	0.265	0.468	1.134	2.951	8.912	10.763
1.485	0	0	0.177	0.282	1.054	3.166	6.087	4

12.399	14.133	15.827	14.263	13.885	9.355	9.561	9.91	10.351
13.158	14.937	16.652	15.041	14.675	10.099	10.314	10.676	11.14
12.88	14.873	16.909	15.495	15.221	10.351	10.531	10.842	11.23
11.384	13.301	15.29	13.15	12.342	6.147	6.346	6.676	7.102
6.048	6.329	6.273	5.349	5.094	4.349	4.512	4.811	5.19
11.894	12.804	13.375	11.648	11.193	8.407	8.699	9.176	9.787
10.643	12.212	13.766	12.324	11.947	7.683	7.885	8.235	8.667
10.557	12.365	14.176	12.279	11.626	6.123	6.204	6.39	6.645
8.838	10.455	12.144	10.236	9.466	4.025	4.1	4.278	4.519
5.801	6.706	7.59	6.563	6.221	3.571	3.583	3.656	3.771
10.789	12.965	15.364	13.426	12.698	6.044	6.167	6.394	6.685
14.739	15.671	15.473	12.945	12.426	9.951	9.888	9.979	10.169
8.77	9.427	9.738	8.842	8.849	7.712	7.684	7.753	7.863
8.699	9.727	10.391	8.689	8.142	4.956	4.952	5.059	5.255
13.737	15.211	16.201	15.134	15.31	12.903	13.034	13.275	13.539

2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
				% Impact				
10.953	13.198	15.683	13.59	12.769	5.727	5.874	6.13	6.462
10.649	12.911	15.425	13.286	12.422	5.194	5.339	5.591	5.919
10.369	12.594	15.082	12.952	12.074	4.889	5.029	5.272	5.589
10.558	12.921	15.574	13.388	12.483	4.896	5.045	5.296	5.621
10.481	12.744	15.262	13.106	12.221	4.939	5.09	5.346	5.68
10.541	12.925	15.604	13.391	12.467	4.774	4.917	5.16	5.477
10.727	12.964	15.45	13.231	12.316	5.042	5.171	5.407	5.721
10.955	13.303	15.928	13.904	13.131	5.931	6.075	6.324	6.634
10.611	13	15.684	13.464	12.538	4.834	4.98	5.226	5.546
11.206	13.448	15.919	14.046	13.379	6.742	6.884	7.136	7.45
8.625	10.477	12.564	10.813	10.042	4.294	4.44	4.707	5.033
14.986	17.085	19.292	16.961	16.193	10.216	10.533	11.05	11.706
25.237	27.813	30.183	30.536	32.1	31.077	31.075	31.279	31.507
10.482	12.756	15.298	13.145	12.259	4.942	5.076	5.313	5.624
12.903	14.971	17.131	15.109	14.451	8.416	8.613	8.95	9.388
16.045	15.835	14.752	12.206	11.36	10.589	10.786	11.351	12.115
120.213	112.022	93.713	66.754	52.789	42.841	41.078	41.337	42.814
94.842	88.37	73.878	52.526	41.442	33.433	31.963	32.051	33.099
156.602	145.818	122.022	86.977	68.826	55.916	53.747	54.219	56.271
80.886	75.46	63.121	44.968	35.571	28.868	27.62	27.738	28.678
159.411	148.442	124.291	88.531	69.985	56.953	54.728	55.186	57.278
4.727	4.94	4.912	4.531	4.485	4.482	4.503	4.622	4.783
13.404	14.75	15.691	16.123	16.886	17.644	17.662	17.896	18.221
1.628	1.604	1.486	1.146	1.016	0.907	0.94	1.019	1.112

10.722	11.208	11.739	12.322	12.901	13.482	13.73	14.315	14.908
11.528	12.042	12.603	13.218	13.825	14.434	14.681	15.296	15.916
11.547	11.948	12.373	12.853	13.337	13.823	14.004	14.502	15.005
7.452	7.916	8.416	8.967	9.528	10.108	10.406	11.006	11.617
5.541	6.025	6.609	7.24	7.863	8.492	8.791	9.398	10.029
10.324	11.066	11.919	12.815	13.677	14.532	14.947	15.771	16.604
9.032	9.508	10.024	10.58	11.132	11.691	11.949	12.509	13.07
6.824	7.093	7.373	7.676	7.957	8.208	8.078	8.402	8.531
4.695	4.952	5.218	5.507	5.784	6.04	5.97	6.284	6.419
3.845	3.974	4.108	4.241	4.349	4.419	4.218	4.306	4.21
6.902	7.182	7.462	7.79	8.137	8.493	8.592	9.001	9.336
10.233	10.572	10.983	11.315	11.399	11.235	9.889	9.88	9.073
7.917	8.077	8.273	8.458	8.55	8.557	7.809	8.115	7.789
5.393	5.643	5.889	6.102	6.25	6.309	5.948	6.041	5.857
13.731	14.084	14.507	14.949	15.303	15.606	15.362	15.869	16.151

2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
6.714	7.042	7.378	7.769	8.189	8.631	8.834	9.322	9.785
6.17	6.496	6.827	7.21	7.622	8.061	8.283	8.771	9.236
5.829	6.142	6.461	6.832	7.236	7.666	7.901	8.372	8.831
5.871	6.191	6.513	6.889	7.304	7.754	8.034	8.531	9.039
5.939	6.274	6.615	7.007	7.432	7.889	8.162	8.661	9.164
5.718	6.028	6.337	6.697	7.094	7.522	7.781	8.248	8.718
5.951	6.259	6.573	6.938	7.324	7.722	7.864	8.28	8.645
6.871	7.166	7.449	7.779	8.132	8.496	8.644	8.998	9.327
5.791	6.104	6.417	6.781	7.183	7.616	7.88	8.347	8.821
7.691	7.996	8.303	8.666	9.052	9.453	9.599	10.035	10.437
5.29	5.62	5.952	6.322	6.717	7.132	7.355	7.807	8.239
12.203	12.887	13.659	14.629	15.67	16.785	17.327	18.712	20.134
31.629	31.818	31.973	32.131	32.169	32.054	30.665	30.936	30.254
5.857	6.162	6.468	6.823	7.206	7.611	7.808	8.241	8.649
9.73	10.183	10.674	11.247	11.838	12.447	12.669	13.348	13.996
12.826	13.809	14.963	16.177	17.257	18.201	18.242	18.979	19.376
44.75	47.795	50.937	53.499	54.429	52.733	47.715	41.748	34.599
34.507	36.773	39.11	40.981	41.581	40.158	36.229	31.503	25.931
58.915	62.992	67.198	70.682	72.035	69.895	63.33	55.509	46.104
29.935	31.949	34.027	35.697	36.27	35.113	31.771	27.818	23.086
59.945	64.1	68.366	71.899	73.243	71.02	64.152	55.925	46.013
4.929	5.144	5.411	5.713	6.011	6.284	6.318	6.547	6.76
18.538	18.979	19.508	20.149	20.866	21.608	22.127	22.874	23.854
1.189	1.302	1.453	1.63	1.799	1.954	1.904	2.099	2.203

	Conductors & brake workers, railway	0.069	0.049	0.049	0	0	0.001
	Railway transport operating support	6.52	6.027	5.368	0	0	0.463
	Railway transport operating, nec	2.105	2.871	3.59	0	0	0.258
	Water Transport Operating Occupations	7.971	5.528	4.076	0	0	0.22
	Deck officers	11.666	6.656	3.559	0	0	0.291
	Engineering officers, ship	9.306	5.054	2.539	0	0	0.631
	Deck crew, ship	5.502	3.066	1.873	0	0	0.122
	Engine & boiler-room crew, ship	3.214	2.011	1.305	0	0	0.094
	Water transport operating, nec	9.059	11.401	12.214	0	0	0.113
	Motor Transport Operating Occupations	14.537	11.806	14.366	0	0	1.103
	Foremen/women:Motor transport operating	10.642	9.441	11.084	0	0	1.093
	Bus drivers	9.564	15.643	21.099	0	0	0.983
	Taxi drivers & chauffeurs	10.175	16.516	22.161	0	0	1.053
	Truck drivers	18.724	8.864	8.907	0	0	1.18
	Motor transport operating, nec	10.971	10.596	11.75	0	0	1.05
	Yukon Occupation Impact Govt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
		Average % Impact					
	Other Transport Equipment Operating Occupations	10.642	11.317	13.613	0	0	0.777
	Foremn/wmn:oth transport eqpt operating	10.504	11.555	12.468	0	0	0.827
	Subway & street railway operating	10.053	16.735	22.586	0	0	1.052
	Rail vehicle oper, ex rail transport	6.826	1.63	1.076	0	0	0.394
	Oth transport eqpt operating, nec	11.295	10.235	12.011	0	0	0.696
Material Ha	MATERIAL HANDLING & RELATED, N.E.C.	24.67	17.222	17.67	0	0	1.771
	Foremen/women:mat handling&rltd,nec	18.167	15.75	14.715	0	0	1.322
	Hoisting, nec	47.471	7.806	4.591	0	0	0.213
	Longshore wkr,stevedore,freight handlrs	16.301	15.973	15.157	0	0	1.452
	Parcel carriers, nec	26.376	50.31	81.191	0	0	4.321
	Material handling eqpt operators, nec	25.729	9.987	9.154	0	0	0.824
	Packaging, nec	21.963	26.373	31.002	0	0	3.306
	Labouring:mat handling&rltd act,nec	23.056	19.682	19.645	0	0	2.304
	Oth material handling & rltd occs, nec	19.243	16.581	12.366	0	0	1.606
Other Craf	OTHER CRAFTS & EQUIPMENT OPERATING	35.259	34.3	36.856	0	0	4.31
	Printing & Related Occupations	54.567	35.198	31.238	0	0	8.748
	Foremen/women:Printing & rltd	55.29	35.981	32.346	0	0	8.98
	Typesetting & composing	53.716	32.625	24.666	0	0	8.592
	Printing press	55.486	36.08	33.244	0	0	8.997
	Stereotyping & electrotyping	37.839	23.153	10.008	0	0	6.256
	Printing engraving, except photoengrav	53.803	32.511	23.553	0	0	8.697
	Photoengraving & rltd	57.416	36.725	32.269	0	0	9.341
	Bookbinding & rltd	56.576	39.628	38.731	0	0	9.082

0.009	0.067	0.101	0.138	0.116	0.066	0.052	0.054	0.046	0.029	0.022	0.025	0.034	0.04
0.789	2.831	8.571	15.71	11.74	7.246	7.119	6.443	4.987	4.398	3.93	3.947	4.124	4.399
0.424	1.104	2.879	4.366	3.807	3.241	3.225	2.996	2.516	2.389	2.382	2.445	2.587	2.773
0.846	4.172	11.78	17.8	12.79	7.655	6.698	5.807	4.183	3.312	2.794	2.702	2.863	3.102
1.148	6.034	17.35	26.36	18.42	10.14	8.609	7.093	4.468	2.96	1.937	1.773	1.974	2.293
1.573	5.503	14.59	19.41	13.95	8.559	6.893	5.363	2.918	1.567	0.987	0.844	1.068	1.38
0.554	2.893	8.237	12.45	8.625	4.58	3.892	3.263	2.128	1.481	1.049	0.985	1.086	1.241
0.453	2.03	5.28	6.516	4.846	3.249	2.648	2.122	1.264	0.781	0.577	0.543	0.636	0.758
0.733	4.259	12.2	20.49	16.23	12.29	11.93	11.67	10.69	10.44	10.41	10.36	10.58	10.88
1.793	6.434	19.12	34.25	23.8	12.85	12.91	12.39	10.63	10.23	9.758	10.04	10.64	11.41
1.667	5.357	14.84	23.77	16.91	10.57	10.5	9.932	8.293	7.85	7.539	7.701	8.181	8.804
1.74	4.247	11.62	19.46	18.79	17.09	17.07	16.05	14.14	13.92	14.24	14.75	15.59	16.66
1.862	4.517	12.37	20.74	19.97	18.07	18.03	16.95	14.91	14.67	14.99	15.53	16.41	17.52
1.815	8.19	25.28	46.68	28.2	9.619	9.727	9.599	7.93	7.374	6.253	6.354	6.739	7.217
1.77	5.246	14.69	24.68	18.63	12.22	12.03	11.14	9.071	8.48	8.168	8.378	8.858	9.48

% Impact

2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1.345	4.495	13.36	24.34	18.91	12.62	12.57	11.76	10.04	9.621	9.343	9.624	10.16	10.85
1.434	4.581	13.35	23.55	18.82	13.39	13.14	12.05	9.95	9.279	8.849	9.029	9.469	10.08
1.864	4.47	12.19	20.33	19.87	18.26	18.24	17.17	15.14	14.92	15.27	15.82	16.72	17.85
0.564	2.747	8.631	17.95	10.42	2.103	2.056	1.857	1.198	0.903	0.409	0.483	0.634	0.766
1.203	4.65	14.25	26.73	19.46	11.36	11.34	10.68	9.108	8.704	8.277	8.519	8.988	9.594
3.002	10.51	31.64	59.03	39.99	18.74	18.84	18.34	15.48	14.65	13.62	13.83	14.43	15.18
2.208	7.917	23.35	42.75	30.09	17.12	17.19	16.58	14.24	13.55	12.78	12.81	13.16	13.59
0.33	16.03	59.5	129.7	68.92	6.637	7.89	9.281	7.903	7.324	3.176	3.289	3.525	3.79
2.504	7.472	21.13	36.4	28.18	18.52	18.11	16.86	13.75	12.52	11.64	11.7	12.19	12.87
7.638	12.78	30.73	48.32	53.94	49.49	51.17	52.14	48.82	49.91	52.68	55.16	58.59	62.56
1.356	9.624	32.66	67.66	39.66	10.19	10.65	10.92	9.329	8.835	7.363	7.489	7.798	8.164
5.688	11.02	27.63	43.78	39.19	29.31	28.93	27.78	23.36	22.42	22.93	23.53	24.73	26.19
3.732	11.43	31.63	51.55	35.9	21.5	21.48	20.71	17.71	17.01	16.48	16.57	16.97	17.44
2.686	8.578	24.96	44.1	32.86	20.49	19.69	17.64	13.43	11.58	10.13	10.04	10.33	10.81
6.747	16.79	44.85	77.4	56.87	37.19	37.37	35.62	30.69	30.52	31.3	32.02	33.09	34.04
13.46	30.15	75.55	112.3	79.9	48.21	44.6	37.4	24.64	21.33	21.43	22.8	24.52	26.03
13.79	30.71	76.69	113.3	80.86	49.22	45.56	38.21	25.21	21.86	22	23.44	25.24	26.81
13.32	29.93	75	110.5	78.06	46.45	42.53	34.92	21.62	17.84	17.54	18.54	19.92	21.13
13.78	30.75	76.86	113.9	81.13	49.22	45.58	38.27	25.38	22.12	22.34	23.87	25.75	27.37
9.901	21.16	52.44	76.68	55.5	33.82	30.77	25.28	14.92	11.35	10.46	10.42	10.73	11.08
13.45	30.09	75.14	110.5	77.99	46.5	42.49	34.87	21.44	17.52	17.26	18.2	19.51	20.66
14.34	31.89	79.59	117.8	83.87	50.69	46.78	39.06	25.45	21.86	22.07	23.49	25.3	26.88
13.88	31.02	77.63	116.3	83.59	51.96	48.74	41.82	29.32	26.44	26.97	28.61	30.58	32.27

0.041	0.042	0.045	0.054	0.064	0.071	0.073	0.068	0.072	0.069	0.049
4.645	5.031	5.5	5.984	6.394	6.7	6.464	6.545	6.456	6.52	6.027
2.945	3.194	3.505	3.84	4.163	4.481	4.591	4.869	5.144	2.105	2.871
3.341	3.692	4.155	4.699	5.166	5.486	5.087	5.063	4.765	7.971	5.528
2.621	3.104	3.736	4.471	5.084	5.468	4.858	4.705	4.182	11.666	6.656
1.678	2.141	2.771	3.513	4.117	4.49	3.479	3.559	2.889	9.306	5.054
1.394	1.619	1.917	2.271	2.577	2.787	2.55	2.514	2.324	5.502	3.066
0.888	1.064	1.31	1.614	1.88	2.072	1.898	1.903	1.789	3.214	2.011
11.18	11.6	12.16	12.81	13.4	13.88	13.726	13.819	13.771	9.059	11.401
12.1	13.04	14.16	15.37	16.48	17.54	17.753	18.729	19.378	14.537	11.806
9.4	10.18	11.1	12.07	12.93	13.7	13.659	14.289	14.488	10.642	9.441
17.64	19.03	20.64	22.32	23.91	25.4	26.152	27.563	28.924	9.564	15.643
18.55	20	21.69	23.45	25.11	26.67	27.435	28.903	30.306	10.175	16.516
7.631	8.185	8.873	9.675	10.4	11.04	10.751	11.335	11.402	18.724	8.864
10.02	10.82	11.81	12.87	13.78	14.53	14.238	14.853	15.029	10.971	10.596
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**
									Average % Im	
11.49	12.38	13.44	14.52	15.51	16.43	16.741	17.531	18.225	10.642	11.317
10.65	11.48	12.45	13.43	14.29	15.03	15.121	15.656	16.038	10.504	11.555
18.89	20.37	22.08	23.88	25.57	27.16	27.961	29.48	30.945	10.053	16.735
0.847	0.976	1.17	1.397	1.57	1.653	1.278	1.46	1.327	6.826	1.63
10.15	10.93	11.85	12.8	13.67	14.48	14.76	15.447	16.054	11.295	10.235
15.73	16.58	17.65	18.96	20.14	21.1	20.236	20.996	20.96	24.67	17.222
13.92	14.43	15.09	15.87	16.46	16.79	15.67	15.643	14.931	18.167	15.75
4	4.273	4.566	4.897	5.223	5.529	5.519	5.837	6.008	47.471	7.806
13.42	14.23	15.23	16.37	17.36	18.13	17.591	18.089	18.06	16.301	15.973
65.67	70.09	75.71	82.76	90.68	100.1	105.92	118.43	130.51	26.376	50.31
8.434	8.816	9.28	9.844	10.33	10.69	10.189	10.323	10.083	25.729	9.987
27.16	28.74	30.74	33.27	35.65	37.77	36.259	37.99	38.164	21.963	26.373
17.86	18.56	19.61	20.96	22.09	22.97	21.395	22.151	21.604	23.056	19.682
11.23	11.92	12.79	13.74	14.45	14.81	13.749	13.738	13.064	19.243	16.581
34.82	35.9	37.58	39.64	41.09	41.85	38.79	39.804	38.807	35.259	34.3
27.35	29.15	32.24	36.12	38.79	40.17	34.549	36.427	34.586	54.567	35.198
28.17	30.04	33.26	37.31	40.12	41.6	36.014	38.052	36.381	55.29	35.981
22.15	23.63	26.33	29.7	31.76	32.45	25.754	26.909	23.838	53.716	32.625
28.82	30.75	34.04	38.17	41.09	42.7	37.356	39.519	38.088	55.486	36.08
11.05	11.47	12.56	13.94	14.29	13.4	6.398	5.133	0.188	37.839	23.153
21.56	22.92	25.47	28.68	30.55	30.98	23.996	24.637	21.085	53.803	32.511
28.24	30.13	33.38	37.46	40.25	41.64	35.544	37.549	35.531	57.416	36.725
33.76	35.76	39.2	43.54	46.68	48.53	43.468	46.133	45.319	56.576	39.628

0.049	0	0	0.001	0.009	0.067	0.101	0.138	0.116
5.368	0	0	0.463	0.789	2.831	8.571	15.713	11.744
3.59	0	0	0.258	0.424	1.104	2.879	4.366	3.807
4.076	0	0	0.22	0.846	4.172	11.784	17.8	12.787
3.559	0	0	0.291	1.148	6.034	17.352	26.362	18.424
2.539	0	0	0.631	1.573	5.503	14.59	19.409	13.951
1.873	0	0	0.122	0.554	2.893	8.237	12.451	8.625
1.305	0	0	0.094	0.453	2.03	5.28	6.516	4.846
12.214	0	0	0.113	0.733	4.259	12.195	20.488	16.23
14.366	0	0	1.103	1.793	6.434	19.12	34.248	23.8
11.084	0	0	1.093	1.667	5.357	14.838	23.771	16.914
21.099	0	0	0.983	1.74	4.247	11.621	19.463	18.794
22.161	0	0	1.053	1.862	4.517	12.367	20.737	19.965
8.907	0	0	1.18	1.815	8.19	25.275	46.684	28.201
11.75	0	0	1.05	1.77	5.246	14.693	24.68	18.633

13-25 **act**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
13.613	0	0	0.777	1.345	4.495	13.356	24.339	18.913
12.468	0	0	0.827	1.434	4.581	13.345	23.547	18.821
22.586	0	0	1.052	1.864	4.47	12.188	20.334	19.872
1.076	0	0	0.394	0.564	2.747	8.631	17.953	10.421
12.011	0	0	0.696	1.203	4.65	14.252	26.725	19.455
17.67	0	0	1.771	3.002	10.507	31.639	59.03	39.989
14.715	0	0	1.322	2.208	7.917	23.345	42.753	30.088
4.591	0	0	0.213	0.33	16.03	59.501	129.718	68.922
15.157	0	0	1.452	2.504	7.472	21.127	36.399	28.18
81.191	0	0	4.321	7.638	12.778	30.734	48.32	53.944
9.154	0	0	0.824	1.356	9.624	32.655	67.662	39.658
31.002	0	0	3.306	5.688	11.017	27.628	43.782	39.187
19.645	0	0	2.304	3.732	11.433	31.627	51.548	35.902
12.366	0	0	1.606	2.686	8.578	24.96	44.099	32.861
36.856	0	0	4.31	6.747	16.792	44.846	77.396	56.868
31.238	0	0	8.748	13.461	30.153	75.551	112.343	79.904
32.346	0	0	8.98	13.793	30.711	76.689	113.348	80.861
24.666	0	0	8.592	13.319	29.926	75.003	110.548	78.057
33.244	0	0	8.997	13.78	30.75	76.856	113.939	81.134
10.008	0	0	6.256	9.901	21.157	52.441	76.677	55.502
23.553	0	0	8.697	13.446	30.087	75.138	110.542	77.994
32.269	0	0	9.341	14.34	31.889	79.589	117.793	83.869
38.731	0	0	9.082	13.88	31.022	77.628	116.335	83.59

0.066	0.052	0.054	0.046	0.029	0.022	0.025	0.034	0.04
7.246	7.119	6.443	4.987	4.398	3.93	3.947	4.124	4.399
3.241	3.225	2.996	2.516	2.389	2.382	2.445	2.587	2.773
7.655	6.698	5.807	4.183	3.312	2.794	2.702	2.863	3.102
10.142	8.609	7.093	4.468	2.96	1.937	1.773	1.974	2.293
8.559	6.893	5.363	2.918	1.567	0.987	0.844	1.068	1.38
4.58	3.892	3.263	2.128	1.481	1.049	0.985	1.086	1.241
3.249	2.648	2.122	1.264	0.781	0.577	0.543	0.636	0.758
12.287	11.933	11.674	10.689	10.437	10.408	10.363	10.576	10.876
12.845	12.906	12.394	10.628	10.225	9.758	10.04	10.639	11.405
10.568	10.499	9.932	8.293	7.85	7.539	7.701	8.181	8.804
17.088	17.066	16.048	14.138	13.923	14.236	14.754	15.594	16.659
18.071	18.034	16.948	14.912	14.67	14.988	15.527	16.405	17.519
9.619	9.727	9.599	7.93	7.374	6.253	6.354	6.739	7.217
12.22	12.025	11.144	9.071	8.48	8.168	8.378	8.858	9.48
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
				% Impact				
12.621	12.566	11.761	10.039	9.621	9.343	9.624	10.161	10.854
13.387	13.142	12.053	9.95	9.279	8.849	9.029	9.469	10.084
18.261	18.242	17.167	15.141	14.92	15.273	15.824	16.717	17.848
2.103	2.056	1.857	1.198	0.903	0.409	0.483	0.634	0.766
11.356	11.343	10.684	9.108	8.704	8.277	8.519	8.988	9.594
18.739	18.839	18.344	15.478	14.65	13.616	13.831	14.431	15.176
17.117	17.188	16.58	14.244	13.547	12.782	12.806	13.155	13.587
6.637	7.89	9.281	7.903	7.324	3.176	3.289	3.525	3.79
18.517	18.106	16.859	13.747	12.52	11.64	11.696	12.188	12.866
49.486	51.165	52.141	48.823	49.909	52.682	55.161	58.586	62.556
10.192	10.65	10.918	9.329	8.835	7.363	7.489	7.798	8.164
29.309	28.931	27.784	23.358	22.424	22.932	23.534	24.725	26.187
21.501	21.481	20.712	17.707	17.005	16.475	16.569	16.973	17.439
20.488	19.694	17.638	13.434	11.58	10.131	10.041	10.329	10.812
37.188	37.374	35.616	30.693	30.521	31.299	32.022	33.091	34.043
48.21	44.602	37.399	24.64	21.327	21.43	22.797	24.522	26.032
49.221	45.564	38.214	25.21	21.86	21.997	23.442	25.242	26.805
46.452	42.525	34.917	21.621	17.839	17.537	18.542	19.919	21.134
49.219	45.582	38.268	25.38	22.122	22.339	23.869	25.747	27.374
33.82	30.772	25.281	14.923	11.354	10.458	10.424	10.732	11.078
46.499	42.486	34.866	21.44	17.522	17.257	18.204	19.514	20.655
50.689	46.782	39.055	25.451	21.855	22.067	23.49	25.295	26.876
51.96	48.739	41.817	29.32	26.438	26.967	28.613	30.583	32.27

0.041	0.042	0.045	0.054	0.064	0.071	0.073	0.068	0.072
4.645	5.031	5.5	5.984	6.394	6.7	6.464	6.545	6.456
2.945	3.194	3.505	3.84	4.163	4.481	4.591	4.869	5.144
3.341	3.692	4.155	4.699	5.166	5.486	5.087	5.063	4.765
2.621	3.104	3.736	4.471	5.084	5.468	4.858	4.705	4.182
1.678	2.141	2.771	3.513	4.117	4.49	3.479	3.559	2.889
1.394	1.619	1.917	2.271	2.577	2.787	2.55	2.514	2.324
0.888	1.064	1.31	1.614	1.88	2.072	1.898	1.903	1.789
11.177	11.602	12.157	12.81	13.403	13.883	13.726	13.819	13.771
12.097	13.04	14.162	15.367	16.483	17.541	17.753	18.729	19.378
9.4	10.176	11.096	12.066	12.928	13.704	13.659	14.289	14.488
17.642	19.027	20.644	22.323	23.905	25.401	26.152	27.563	28.924
18.548	20	21.693	23.453	25.11	26.668	27.435	28.903	30.306
7.631	8.185	8.873	9.675	10.398	11.038	10.751	11.335	11.402
10.024	10.819	11.813	12.874	13.776	14.526	14.238	14.853	15.029
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
11.489	12.381	13.435	14.52	15.514	16.433	16.741	17.531	18.225
10.654	11.477	12.445	13.425	14.287	15.031	15.121	15.656	16.038
18.892	20.366	22.084	23.875	25.567	27.16	27.961	29.48	30.945
0.847	0.976	1.17	1.397	1.57	1.653	1.278	1.46	1.327
10.15	10.929	11.85	12.802	13.673	14.483	14.76	15.447	16.054
15.731	16.581	17.653	18.964	20.137	21.104	20.236	20.996	20.96
13.917	14.425	15.092	15.869	16.461	16.792	15.67	15.643	14.931
4	4.273	4.566	4.897	5.223	5.529	5.519	5.837	6.008
13.418	14.233	15.23	16.37	17.364	18.134	17.591	18.089	18.06
65.666	70.086	75.705	82.757	90.68	100.083	105.921	118.426	130.507
8.434	8.816	9.28	9.844	10.33	10.686	10.189	10.323	10.083
27.158	28.738	30.738	33.274	35.65	37.769	36.259	37.99	38.164
17.857	18.555	19.61	20.958	22.087	22.973	21.395	22.151	21.604
11.234	11.924	12.788	13.738	14.447	14.81	13.749	13.738	13.064
34.818	35.897	37.582	39.643	41.086	41.852	38.79	39.804	38.807
27.348	29.148	32.237	36.123	38.794	40.167	34.549	36.427	34.586
28.168	30.039	33.258	37.306	40.116	41.598	36.014	38.052	36.381
22.151	23.632	26.328	29.696	31.763	32.447	25.754	26.909	23.838
28.815	30.75	34.035	38.172	41.089	42.697	37.356	39.519	38.088
11.053	11.471	12.556	13.944	14.287	13.403	6.398	5.133	0.188
21.555	22.921	25.474	28.679	30.553	30.978	23.996	24.637	21.085
28.241	30.129	33.38	37.463	40.25	41.641	35.544	37.549	35.531
33.756	35.762	39.198	43.537	46.676	48.533	43.468	46.133	45.319

Labouring:Printing & rltd activities	63.265	41.815	39.84	0	0	10.32
Printing & rltd, nec	49.241	30.69	26.082	0	0	7.57
Stationary Engine & Utilities Equipment Operating & Related Occupations	22.081	37.908	48.375	0	0	0.77
Foremn/wmn:Stationary eng&util eqpt opr	26.931	36.52	43.837	0	0	0.765
Power station operators	10.299	7.942	8.047	0	0	0.393
Stationary eng&utility eqpt op&rltd,nec	23.511	44.856	59.754	0	0	0.848
Electronic & Related Communications Equipment Operating Occupations, NEC	15.482	15.942	14.459	0	0	1.378
Foremn/wmn:elect&rltd comms eqpt op,nec	18.201	26.557	27.923	0	0	1.648
Radio & tv broadcasting eqpt operators	15.067	16.067	14.63	0	0	1.408
Telegraph operators	18.853	7.763	3.281	0	0	0.571
Sound&video recording&reprod eqpt oper	17.668	19.4	19.15	0	0	1.819
Motion picture projectionists	24.339	9.052	-0.431	0	0	2.039
Oth electronic&rltd comm eqpt oper, nec	6.771	3.691	1.21	0	0	0.497
Other Crafts & Equipment Operating Occupations, NEC	39.372	33.559	35.001	0	0	6.268
Foremen/women:Oth crafts&eqpt oper, nec	37.911	36.341	39.495	0	0	5.939
Photographic processing	39.928	33.816	35.38	0	0	6.376
Oth crafts & eqpt operating occs, nec	21.306	12.707	3.826	0	0	2.985

	Yukon Occupation Impact Govt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**
		Average % Impact					
N.E.C.	OCCUPATIONS NEC	29.291	12.024	9.643	0	0	1.088
	Supervisors & foremen/women, nec	25.838	13.237	11.459	0	0	1.109
	Inspecting,testing,grading&sampling,nec	13.39	2.446	-0.501	0	0	0.519
	Labouring & oth elemental work, nec	39.064	13.13	9.752	0	0	1.104
	Oth occupations, nec	16.301	10.364	9.345	0	0	1.07

15.78	35.13	87.43	129.1	92.42	56.58	52.52	44.29	29.73	26.15	26.54	28.41	30.65	32.57
11.79	26.81	67.94	102.7	72.55	42.38	39.09	32.72	21.28	18.19	18.07	19.15	20.61	21.93
1.209	6.802	22.17	55.42	42.46	31.35	35.01	38.44	40.94	44.23	46.07	46.38	47.16	47.76
1.171	8.641	28.78	68.6	48.43	30.5	33.96	37.18	39.17	42	43.03	43.14	43.59	43.87
0.557	3.511	11.79	26.65	16.98	7.171	7.742	8.225	8.128	8.419	8.165	8.116	8.111	8.116
1.349	7.099	22.96	58.68	46.49	36.61	41.12	45.41	48.81	53.11	55.8	56.37	57.65	58.66
2.578	6.391	19.36	35.34	27.01	16.77	17.7	16.75	14.35	14.11	13.87	13.69	13.74	14.13
2.94	6.943	20.83	41.91	33.97	25.53	27.34	27.28	25.86	26.78	27.59	27.45	27.53	27.87
2.658	6.285	18.97	33.82	26.48	16.97	17.99	16.91	14.35	14.07	13.84	13.65	13.71	14.15
1.305	7.313	24.75	48.63	29.26	9	9.157	8.521	6.414	5.719	4.343	4.148	4.06	4.056
3.392	7.618	22.14	38.77	31.09	20.52	21.52	20.34	17.42	17.12	17.04	16.95	17.18	17.85
3.406	10.28	31.57	59.7	37.07	12.54	11.84	10.1	6.194	4.563	2.859	2.333	2.073	2.029
0.842	2.766	8.668	16.69	10.96	4.704	4.596	4.01	2.316	2.335	1.781	1.642	1.581	1.589
9.988	21.17	53	79.95	62.07	41.72	39.82	35.45	26.47	24.31	24.62	25.7	27.26	28.85
9.508	20.1	50.39	76.53	61.74	44.11	42.43	38.2	29.5	27.42	27.74	28.91	30.61	32.39
10.15	21.49	53.77	81.08	62.81	42.06	40.13	35.73	26.66	24.49	24.82	25.93	27.52	29.14
5.098	11.54	29.88	44.64	32.15	18.9	17.37	13.94	7.788	5.655	5.003	4.78	4.8	4.942
2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
									% Impact				
1.798	10.95	36.7	76.08	45.14	12.65	13.01	13.04	11.02	10.39	8.584	8.612	8.847	9.157
1.745	9.547	31.78	66.85	40.64	13.41	13.94	14.1	12.5	12.21	10.84	10.83	11.04	11.29
0.745	5.068	17.16	35.42	19.52	2.939	2.999	2.955	1.898	1.337	0.332	0.228	0.181	0.125
1.838	14.29	49.1	102.8	58.97	13.69	14.23	14.46	12.04	11.21	8.597	8.641	8.897	9.237
1.766	6.53	20.23	40.31	26.29	11.16	11.23	10.94	9.42	9.026	8.353	8.362	8.571	8.847

34.29	36.58	40.47	45.39	48.93	50.98	45.135	47.943	46.82	63.265	41.815
23.07	24.64	27.26	30.56	32.78	33.86	28.514	29.788	27.531	49.241	30.69
48.19	48.63	49.02	49.41	49.69	49.83	48.98	49.086	48.772	22.081	37.908
44.05	44.23	44.4	44.6	44.68	44.61	43.503	43.405	42.821	26.931	36.52
8.109	8.136	8.184	8.238	8.249	8.205	7.75	7.782	7.481	10.299	7.942
59.41	60.14	60.75	61.32	61.74	61.99	61.104	61.268	61.018	23.511	44.856
14.36	14.9	15.35	15.54	15.53	15.24	14.162	14.079	13.385	15.482	15.942
28.03	28.53	28.98	29.19	29.14	28.75	26.994	27.018	25.946	18.201	26.557
14.43	15.06	15.55	15.73	15.73	15.43	14.527	14.484	13.931	15.067	16.067
3.938	3.997	4.105	4.124	3.901	3.401	1.836	1.176	-0.276	18.853	7.763
18.28	19.14	19.91	20.43	20.77	20.85	20.085	20.376	20.124	17.668	19.4
1.695	1.644	1.573	1.28	0.548	-0.796	-4.597	-6.19	-9.76	24.339	9.052
1.568	1.619	1.657	1.626	1.489	1.205	0.422	0.139	-0.571	6.771	3.691
30.11	31.99	34.87	38.48	41.43	43.66	40.343	43.205	43.321	39.372	33.559
33.84	35.95	39.03	42.85	46.09	48.69	46.343	49.418	50.31	37.911	36.341
30.4	32.31	35.23	38.9	41.9	44.18	40.799	43.733	43.87	39.928	33.816
4.936	5.16	5.69	6.264	6.191	5.37	0.748	-0.11	-3.549	21.306	12.707
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**7-Feb**	**12-Aug**
										Average % Im
9.346	9.688	10.1	10.56	10.88	10.98	9.922	9.747	8.912	29.291	12.024
11.44	11.72	12.05	12.39	12.57	12.52	11.226	11.05	10.055	25.838	13.237
0.037	-0.002	-0.017	-0.048	-0.198	-0.506	-1.701	-1.997	-3.025	13.39	2.446
9.458	9.829	10.26	10.75	11.09	11.19	10.092	9.804	8.877	39.064	13.13
8.998	9.309	9.706	10.15	10.45	10.58	9.617	9.616	8.949	16.301	10.364

39.84	0	0	10.323	15.777	35.126	87.425	129.118	92.423
26.082	0	0	7.57	11.791	26.806	67.938	102.655	72.548
48.375	0	0	0.77	1.209	6.802	22.173	55.422	42.459
43.837	0	0	0.765	1.171	8.641	28.784	68.598	48.43
8.047	0	0	0.393	0.557	3.511	11.793	26.647	16.983
59.754	0	0	0.848	1.349	7.099	22.962	58.679	46.492
14.459	0	0	1.378	2.578	6.391	19.363	35.343	27.007
27.923	0	0	1.648	2.94	6.943	20.825	41.913	33.97
14.63	0	0	1.408	2.658	6.285	18.965	33.822	26.481
3.281	0	0	0.571	1.305	7.313	24.745	48.626	29.263
19.15	0	0	1.819	3.392	7.618	22.14	38.769	31.085
-0.431	0	0	2.039	3.406	10.277	31.567	59.697	37.067
1.21	0	0	0.497	0.842	2.766	8.668	16.694	10.956
35.001	0	0	6.268	9.988	21.168	52.997	79.954	62.071
39.495	0	0	5.939	9.508	20.099	50.393	76.525	61.738
35.38	0	0	6.376	10.147	21.489	53.767	81.083	62.807
3.826	0	0	2.985	5.098	11.539	29.884	44.638	32.146

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13-25	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
9.643	0	0	1.088	1.798	10.947	36.702	76.081	45.139
11.459	0	0	1.109	1.745	9.547	31.781	66.851	40.637
-0.501	0	0	0.519	0.745	5.068	17.157	35.419	19.516
9.752	0	0	1.104	1.838	14.286	49.097	102.783	58.965
9.345	0	0	1.07	1.766	6.53	20.229	40.306	26.29

56.581	52.524	44.286	29.73	26.149	26.543	28.408	30.649	32.573
42.384	39.09	32.72	21.282	18.19	18.074	19.151	20.605	21.933
31.348	35.007	38.444	40.936	44.23	46.072	46.38	47.16	47.76
30.498	33.959	37.183	39.171	42.001	43.032	43.144	43.585	43.874
7.171	7.742	8.225	8.128	8.419	8.165	8.116	8.111	8.116
36.61	41.124	45.406	48.814	53.114	55.795	56.367	57.649	58.655
16.774	17.698	16.747	14.346	14.106	13.872	13.688	13.744	14.13
25.529	27.343	27.278	25.855	26.776	27.593	27.445	27.533	27.868
16.966	17.993	16.909	14.349	14.068	13.841	13.645	13.707	14.147
9	9.157	8.521	6.414	5.719	4.343	4.148	4.06	4.056
20.522	21.522	20.337	17.424	17.121	17.041	16.947	17.182	17.654
12.537	11.843	10.102	6.194	4.563	2.859	2.333	2.073	2.029
4.704	4.596	4.01	2.816	2.335	1.781	1.642	1.581	1.589
41.72	39.821	35.452	26.474	24.309	24.618	25.7	27.255	28.854
44.111	42.432	38.201	29.495	27.423	27.738	28.912	30.61	32.393
42.055	40.129	35.727	26.659	24.487	24.823	25.933	27.517	29.136
18.901	17.366	13.944	7.788	5.655	5.003	4.78	4.8	4.942

2008	2009	2010	2011	2012	2013	2014	2015	2016
				% Impact				
12.646	13.005	13.039	11.018	10.385	8.584	8.612	8.847	9.157
13.408	13.94	14.103	12.504	12.205	10.837	10.831	11.036	11.291
2.939	2.999	2.955	1.898	1.337	0.332	0.228	0.181	0.125
13.694	14.229	14.461	12.044	11.211	8.597	8.641	8.897	9.237
11.161	11.231	10.941	9.42	9.026	8.353	8.362	8.571	8.847

34.288	36.578	40.471	45.388	48.926	50.975	45.135	47.943	46.82
23.073	24.643	27.263	30.557	32.782	33.86	28.514	29.788	27.531
48.191	48.632	49.02	49.412	49.69	49.826	48.98	49.086	48.772
44.048	44.225	44.399	44.604	44.684	44.613	43.503	43.405	42.821
8.109	8.136	8.184	8.238	8.249	8.205	7.75	7.782	7.481
59.406	60.14	60.747	61.318	61.744	61.994	61.104	61.268	61.018
14.355	14.901	15.354	15.542	15.532	15.235	14.162	14.079	13.385
28.034	28.533	28.981	29.185	29.136	28.753	26.994	27.018	25.946
14.428	15.055	15.551	15.734	15.727	15.432	14.527	14.484	13.931
3.938	3.997	4.105	4.124	3.901	3.401	1.836	1.176	-0.276
18.276	19.136	19.914	20.434	20.77	20.845	20.085	20.376	20.124
1.695	1.644	1.573	1.28	0.548	-0.796	-4.597	-6.19	-9.76
1.568	1.619	1.657	1.626	1.489	1.205	0.422	0.139	-0.571
30.108	31.988	34.865	38.484	41.427	43.662	40.343	43.205	43.321
33.839	35.953	39.032	42.852	46.089	48.686	46.343	49.418	50.31
30.404	32.305	35.225	38.904	41.897	44.176	40.799	43.733	43.87
4.936	5.16	5.69	6.264	6.191	5.37	0.748	-0.11	-3.549
2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
9.346	9.688	10.099	10.563	10.875	10.979	9.922	9.747	8.912
11.438	11.717	12.046	12.39	12.566	12.521	11.226	11.05	10.055
0.037	-0.002	-0.017	-0.048	-0.198	-0.506	-1.701	-1.997	-3.025
9.458	9.829	10.259	10.752	11.086	11.19	10.092	9.804	8.877
8.998	9.309	9.706	10.146	10.448	10.578	9.617	9.616	8.949

Yukon

Employm

Standard Occı

Thousands

	Yukon Occupation Impact Debt	2002-07	2008-12	2013-25	2000	2001	2002	2003	2004	2005	2006	2007
			Average Impact (Employed)									
Total	TOTAL	2609	762	1007	0	0	178	218	1068	3472	6937	3779
Managerial	MANAGERIAL, ADMINISTRATIVE & RELATED	286	89	135	0	0	26	32	123	385	748	402
	Officials & Administrators	0	0	0	0	0	0	0	0	0	1	1
	Unique to Government	0	0	0								
	Gov't administrators	0	0	0	0	0	0	0	0	0	0	0
	Post office mgmt	0	0	0	0	0	0	0	0	0	0	0
	Inspectors & regulatory officers, gov't	0	0	0	0	0	0	0	0	0	0	0
	Officials & admin unique to gov't, nec	0	0	0	0	0	0	0	0	0	0	0
	Other Managers & Administrators	204	65	94	0	0	15	18	87	276	536	292
	General mgrs & oth senior officials	37	10	15	0	0	2	3	15	49	98	52
	Mgmt occs, nat sciences & engineering	4	1	2	0	0	1	1	2	5	9	5
	Mgmt occs, soc sciences & rltd fields	0	0	0	0	0	0	0	0	0	0	0
	Administrators in teaching&rltd fields	0	0	0	0	0	0	0	0	0	1	0
	Administrators in medicine & health	0	0	0	0	0	0	0	0	0	0	0
	Financial mgmt	7	3	4	0	0	1	1	3	9	16	9
	Personnel & indust relations mgmt occs	4	2	4	0	0	0	1	2	6	10	6
	Sales & advertising mgmt	25	16	26	0	0	4	5	14	37	57	35
	Purchasing mgmt	2	1	1	0	0	0	0	1	3	5	3
	Services mgmt	12	3	9	0	0	2	3	8	19	28	14
	Production mgmt	8	3	4	0	0	1	1	3	10	20	11
	Mgmt, construction operations	59	7	3	0	0	0	0	20	75	168	89
	Farm mgmt	0	0	0	0	0	0	0	0	0	0	0
	Mgmt occs, transport&communic operation	3	4	4	0	0	0	0	1	4	7	5

ıpation
assification

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025		
				Impact															
886	927	814	619	563	630	720	832	911	957	1011	1077	1132	1170	1166	1154	1149	1186	1.869	0.242
103	106	94	72	69	82	96	112	124	131	138	147	155	160	158	155	150	152	0.184	0.035
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	78	69	53	49	57	66	77	84	89	94	101	106	110	110	109	109	113	0.143	0.022
11	12	10	8	7	9	10	12	13	14	15	16	17	17	17	17	17	17	0.027	0.01
1	1	1	1	1	2	2	2	2	2	2	3	3	3	2	2	2	2	0.003	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	4	3	3	3	3	4	4	4	4	4	5	5	5	5	4	4	4	0.005	0.003
2	2	2	2	2	2	3	3	3	3	4	4	4	4	4	4	4	4	0.003	0.003
19	18	16	13	13	15	17	19	22	23	25	27	29	30	31	31	33	36	0.019	0.011
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.002	0.001
6	5	3	1	2	3	4	6	8	9	9	10	11	11	11	11	11	12	0.004	0.003
3	3	3	2	2	3	3	4	4	4	4	5	5	5	5	5	5	5	0.006	0.003
8	11	9	6	3	3	3	3	3	3	3	3	3	4	4	4	4	4	0.043	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	5	4	3	3	3	3	4	4	4	4	4	5	5	5	5	4	4	0.003	0.004

0	0	0.178	0.218	1.068	3.472	6.937	3.779	0.886	0.927	0.814	0.619	0.563
0	0	0.026	0.032	0.123	0.385	0.748	0.402	0.103	0.106	0.094	0.072	0.069
0	0	0	0	0	0	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.015	0.018	0.087	0.276	0.536	0.292	0.075	0.078	0.069	0.053	0.049
0	0	0.002	0.003	0.015	0.049	0.098	0.052	0.011	0.012	0.01	0.008	0.007
0	0	0.001	0.001	0.002	0.005	0.009	0.005	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.001	0.001	0.003	0.009	0.016	0.009	0.003	0.004	0.003	0.003	0.003
0	0	0	0.001	0.002	0.006	0.01	0.006	0.002	0.002	0.002	0.002	0.002
0	0	0.004	0.005	0.014	0.037	0.057	0.035	0.019	0.018	0.016	0.013	0.013
0	0	0	0	0.001	0.003	0.005	0.003	0.001	0.001	0.001	0.001	0.001
0	0	0.002	0.003	0.008	0.019	0.028	0.014	0.006	0.005	0.003	0.001	0.002
0	0	0.001	0.001	0.003	0.01	0.02	0.011	0.003	0.003	0.003	0.002	0.002
0	0	0	0	0.02	0.075	0.168	0.089	0.008	0.011	0.009	0.006	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.004	0.007	0.005	0.005	0.005	0.004	0.003	0.003

0.63	0.72	0.832	0.911	0.957	1.011	1.077	1.132	1.17	1.166	1.154	1.149	1.186
0.082	0.096	0.112	0.124	0.131	0.138	0.147	0.155	0.16	0.158	0.155	0.15	0.152
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.057	0.066	0.077	0.084	0.089	0.094	0.101	0.106	0.11	0.11	0.109	0.109	0.113
0.009	0.01	0.012	0.013	0.014	0.015	0.016	0.017	0.017	0.017	0.017	0.017	0.017
0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.003	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.004	0.004	0.004
0.002	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
0.015	0.017	0.019	0.022	0.023	0.025	0.027	0.029	0.03	0.031	0.031	0.033	0.036
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.003	0.004	0.006	0.008	0.009	0.009	0.01	0.011	0.011	0.011	0.011	0.011	0.012
0.003	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005
0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0
0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.004	0.004

	Oths managers	44	14	22	0	0	3	4	18	59	116	62
	Occupations Related to Management &	82	24	41	0	0	11	13	36	109	211	110
	Administration	0	0	0								
	Accountants, auditors&oth fin officers	61	13	19	0	0	9	10	26	79	157	82
	Organization & methods analysts	2	1	4	0	0	0	0	1	4	6	3
	Personnel & rltd officers	3	2	4	0	0	0	0	2	5	8	4
	Purchasing officers & buyers,	2	1	1	0	0	0	0	1	3	6	3
	ex w/sale & retail trade	0	0	0								
	Inspectors & regulatory officers, nec	2	1	2	0	0	0	0	1	2	5	3
	Occs rltd to mgmt & administration, nec	11	6	11	0	0	1	1	5	16	28	15

	Yukon Occupation Impact Debt	**2002-07**	**2008-12** **Average Impact** **(Employed)**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
Nat. Scienc	NATURAL SCIENCES, ENGINEERING &	114	48	83	0	0	18	20	50	148	291	155
	MATHEMATICS	0	0	0								
	Occupations in Physical Sciences	5	1	2	0	0	1	1	2	7	13	7
	Chemists	1	0	0	0	0	0	0	0	1	2	1
	Geologists	1	0	1	0	0	0	0	1	2	3	2
	Physicists	0	0	0	0	0	0	0	0	0	1	0
	Meteorologists	0	0	0	0	0	0	0	0	0	0	0
	Phys science technologists&technicians	2	1	1	0	0	0	1	1	3	6	3
	Physical sciences, nec	0	0	0	0	0	0	0	0	0	1	0
	Occupations in Life Sciences	2	0	1	0	0	0	0	1	3	5	3
	Agriculturists & rltd scientists	1	0	0	0	0	0	0	0	1	2	1
	Biologists & rltd scientists	1	0	0	0	0	0	0	0	1	2	1
	Life science technologists&technicians	1	0	0	0	0	0	0	0	1	2	1
	Life sciences, nec	0	0	0	0	0	0	0	0	0	0	0
	Architects, Engineers & Community	53	18	25	0	0	8	10	22	67	136	73
	Planners	0	0	0								
	Architects	6	0	1	0	0	1	2	3	8	15	7
	Chemical engineers	1	1	1	0	0	0	0	0	1	3	2
	Civil engineers	20	5	6	0	0	2	3	8	25	54	29

15	17	15	12	12	14	16	18	20	21	22	23	24	25	25	24	24	24	0.033	0.016
27	28	25	19	19	24	30	35	39	41	43	46	48	49	47	45	41	39	0.04	0.011
17	17	14	9	9	12	15	18	20	20	21	22	23	23	22	20	17	15	0.044	0.013
1	1	1	1	2	2	3	3	3	4	4	4	5	5	5	5	4	4	0.002	0.003
2	2	2	2	2	2	3	3	4	4	4	5	5	5	5	5	5	5	0.003	0.003
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.002	0.001
1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	0.001	0.001
6	6	6	5	5	7	8	9	10	11	11	12	13	13	13	13	12	12	0.009	0.008

2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2002-10**	**2011-25**
				Impact														**Average Impact**	
49	52	50	43	47	57	66	75	81	84	87	91	95	95	93	90	82	77	0.051	0.032
2	2	1	1	1	1	2	2	2	2	2	2	3	2	2	2	2	1	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.002	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	20	18	15	16	19	21	24	26	26	27	28	28	28	27	25	22	20	0.024	0.013
1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0.004	0.001
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
6	6	5	4	4	5	6	6	7	7	7	7	7	7	7	6	5	5	0.015	0.005

0	0	0.003	0.004	0.018	0.059	0.116	0.062	0.015	0.017	0.015	0.012	0.012
0	0	0.011	0.013	0.036	0.109	0.211	0.11	0.027	0.028	0.025	0.019	0.019
0	0	0.009	0.01	0.026	0.079	0.157	0.082	0.017	0.017	0.014	0.009	0.009
0	0	0	0	0.001	0.004	0.006	0.003	0.001	0.001	0.001	0.001	0.002
0	0	0	0	0.002	0.005	0.008	0.004	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0.001	0.003	0.006	0.003	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0.001	0.002	0.005	0.003	0.001	0.001	0.001	0.001	0.001
0	0	0.001	0.001	0.005	0.016	0.028	0.015	0.006	0.006	0.006	0.005	0.005
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0.018	0.02	0.05	0.148	0.291	0.155	0.049	0.052	0.05	0.043	0.047
0	0	0.001	0.001	0.002	0.007	0.013	0.007	0.002	0.002	0.001	0.001	0.001
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0.001	0.002	0.003	0.002	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0.001	0.001	0.003	0.006	0.003	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0.001	0.003	0.005	0.003	0.001	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.008	0.01	0.022	0.067	0.136	0.073	0.02	0.02	0.018	0.015	0.016
0	0	0.001	0.002	0.003	0.008	0.015	0.007	0.001	0.001	0	0	0
0	0	0	0	0	0.001	0.003	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0.002	0.003	0.008	0.025	0.054	0.029	0.006	0.006	0.005	0.004	0.004

0.014	0.016	0.018	0.02	0.021	0.022	0.023	0.024	0.025	0.025	0.024	0.024	0.024
0.024	0.03	0.035	0.039	0.041	0.043	0.046	0.048	0.049	0.047	0.045	0.041	0.039
0.012	0.015	0.018	0.02	0.02	0.021	0.022	0.023	0.023	0.022	0.02	0.017	0.015
0.002	0.003	0.003	0.003	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.004	0.004
0.002	0.003	0.003	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.007	0.008	0.009	0.01	0.011	0.011	0.012	0.013	0.013	0.013	0.013	0.012	0.012

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2013	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
0.057	0.066	0.075	0.081	0.084	0.087	0.091	0.095	0.095	0.093	0.09	0.082	0.077
0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.019	0.021	0.024	0.026	0.026	0.027	0.028	0.028	0.028	0.027	0.025	0.022	0.02
0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.006	0.005	0.005

Electrical engineers	7	3	4	0	0	1	1	3	9	18	10
Industrial engineers	3	2	2	0	0	0	0	1	4	7	4
Agricultural engineers	0	0	0	0	0	0	0	0	0	0	0
Mechanical engineers	6	2	3	0	0	1	1	3	7	15	8
Metallurgical engineers	0	0	0	0	0	0	0	0	0	1	0
Mining engineers	1	0	0	0	0	0	0	0	1	1	1
Petroleum engineers	1	3	3	0	0	0	0	0	1	3	2
Aerospace engineers	1	1	0	0	0	0	0	0	1	1	1
Nuclear engineers	0	0	0	0	0	0	0	0	0	1	0
Community planners	3	1	2	0	0	0	0	1	4	8	4
Professional engineers, nec	4	1	1	0	0	1	1	2	4	9	5
Other Occupations in Architecture &	39	14	19	0	0	5	6	16	49	102	56
Engineering	0	0	0								
Supervisors:oth occs in arch & engineer	2	1	1	0	0	0	0	1	2	4	2
Surveyors	8	2	2	0	0	1	1	3	10	21	11
Draughting	12	3	4	0	0	2	2	5	16	32	17
Architectural technologist & technician	1	0	0	0	0	0	0	0	1	3	1
Engineering technologists & technicians	14	9	11	0	0	1	1	5	17	38	22
Oth occs in architecture&engineer, nec	2	1	1	0	0	0	0	1	2	5	3
Occupations in Mathematics, Statistics,	15	14	36	0	0	3	3	9	23	35	17
Systems Analysis & Related Fields	0	0	0								
Mathematician, statistician & actuaries	1	1	2	0	0	0	0	0	1	1	1
Systems analysts, computer programmers	14	14	35	0	0	3	3	8	22	33	16
Occs in math,stats,syst anal etc, nec	0	0	0	0	0	0	0	0	0	0	0

	Yukon Occupation Impact Debt	**2002-07**	**2008-12 Average Impact (Employed)**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
Social Scie	OCCUPATIONS IN SOCIAL SCIENCES & RELATED	34	6	14	0	0	9	10	17	45	82	41
	Occupations in Social Sciences	2	2	5	0	0	0	0	1	4	6	3
	Economists	2	2	4	0	0	0	0	1	3	5	2
	Sociologists, anthropologists & rltd	0	0	0	0	0	0	0	0	0	0	0

3	3	3	2	2	3	3	4	4	4	4	4	4	4	4	4	3	3	0.005	0.003
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2	2	0.004	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0.001	0.003
1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	0.002	0.001
1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	0.003	0.001
15	16	15	13	13	15	17	19	20	20	20	21	21	21	20	19	18	17	0.021	0.011
1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
2	2	2	1	1	2	2	2	2	2	2	2	3	2	2	2	2	1	0.006	0.002
4	4	3	2	2	3	4	4	5	5	5	5	5	5	5	4	3	3	0.009	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
8	9	9	8	9	9	10	10	11	11	11	12	12	12	12	11	11	11	0.012	0.009
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
12	14	15	14	17	22	26	30	33	35	37	40	42	43	43	43	40	39	0.004	0.008
1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	0.001	0.001
12	13	14	14	16	20	24	28	31	34	36	38	40	41	41	41	39	38	0.012	0.027
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2002-10**	**2011-25**
				Impact														**Average Impact**	
10	8	6	3	4	7	10	13	15	16	16	17	18	18	16	15	11	9	0.003	0.005
2	2	2	2	2	3	4	4	5	5	5	5	6	6	6	6	6	5	0.001	0.002
2	2	2	2	2	2	3	3	4	4	4	4	4	4	4	4	4	4	0.002	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0.001	0.001	0.003	0.009	0.018	0.01	0.003	0.003	0.003	0.002	0.002
0	0	0	0	0.001	0.004	0.007	0.004	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.001	0.001	0.003	0.007	0.015	0.008	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.003	0.002	0.002	0.002	0.003	0.003	0.003
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0.001	0.004	0.008	0.004	0.001	0.001	0.001	0.001	0.001
0	0	0.001	0.001	0.002	0.004	0.009	0.005	0.001	0.001	0.001	0.001	0.001
0	0	0.005	0.006	0.016	0.049	0.102	0.056	0.015	0.016	0.015	0.013	0.013
0	0	0	0	0.001	0.002	0.004	0.002	0.001	0.001	0.001	0	0
0	0	0.001	0.001	0.003	0.01	0.021	0.011	0.002	0.002	0.002	0.001	0.001
0	0	0.002	0.002	0.005	0.016	0.032	0.017	0.004	0.004	0.003	0.002	0.002
0	0	0	0	0	0.001	0.003	0.001	0	0	0	0	0
0	0	0.001	0.001	0.005	0.017	0.038	0.022	0.008	0.009	0.009	0.008	0.009
0	0	0	0	0.001	0.002	0.005	0.003	0.001	0.001	0.001	0.001	0.001
0	0	0.003	0.003	0.009	0.023	0.035	0.017	0.012	0.014	0.015	0.014	0.017
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0.003	0.003	0.008	0.022	0.033	0.016	0.012	0.013	0.014	0.014	0.016
0	0	0	0	0	0	0	0	0	0	0	0	0
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0.009	0.01	0.017	0.045	0.082	0.041	0.01	0.008	0.006	0.003	0.004
0	0	0	0	0.001	0.004	0.006	0.003	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0.001	0.003	0.005	0.002	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0

0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.003
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
0	0	0	0	0	0	0	0.001	0.001	0.001	0.001	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.001	0.001	0.001	0.001
0.015	0.017	0.019	0.02	0.02	0.02	0.021	0.021	0.021	0.02	0.019	0.018	0.017
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.001
0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.003	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0
0.009	0.01	0.01	0.011	0.011	0.011	0.012	0.012	0.012	0.012	0.011	0.011	0.011
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.022	0.026	0.03	0.033	0.035	0.037	0.04	0.042	0.043	0.043	0.043	0.04	0.039
0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.02	0.024	0.028	0.031	0.034	0.036	0.038	0.04	0.041	0.041	0.041	0.039	0.038
0	0	0	0	0	0	0	0	0	0	0	0	0

2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
0.007	0.01	0.013	0.015	0.016	0.016	0.017	0.018	0.018	0.016	0.015	0.011	0.009
0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.005
0.002	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0

act

	Psychologists	0	0	0	0	0	0	0	0	0	0	0
	Social sciences, nec	0	0	1	0	0	0	0	0	1	1	0
	Occupations in Social Work	2	1	2	0	0	0	0	1	2	4	2
	& Related Fields	0	0	0								
	Social workers	1	0	1	0	0	0	0	0	1	1	1
	Welfare & community services	1	1	2	0	0	0	0	1	2	3	1
	Social work & rltd fields, nec	0	0	0	0	0	0	0	0	0	0	0
	Occupations in Law & Jurisprudence	29	3	6	0	0	8	9	14	38	71	35
	Judges & magistrates	0	0	0	0	0	0	0	0	0	0	0
	Lawyers & notaries	25	2	5	0	0	7	8	12	32	59	29
	Law & jurisprudence, nec	5	0	1	0	0	1	2	2	6	11	6
	Occupations in Library, Museum &	1	0	0	0	0	0	0	0	1	1	1
	Archival Sciences	0	0	0								
	Supervisors:library, museum&archiv sci	0	0	0	0	0	0	0	0	0	0	0
	Librarians, archivists & conservators	0	0	0	0	0	0	0	0	1	1	0
	Technicians in lib, museum&archivl sci	0	0	0	0	0	0	0	0	0	0	0
	Library, museum & archival science, nec	0	0	0	0	0	0	0	0	0	0	0
	Other Occupations in Social Sciences	0	0	0	0	0	0	0	0	0	0	0
	& Related Fields	0	0	0								
	Educational & vocational counsellors	0	0	0	0	0	0	0	0	0	0	0
	Oth occs in soc sci& rltd fields, nec	0	0	0	0	0	0	0	0	0	0	0
Religion	RELIGION	0	0	0	0	0	0	0	0	0	0	0
	Ministers of religion	0	0	0	0	0	0	0	0	0	0	0
	Nuns & brothers	0	0	0	0	0	0	0	0	0	0	0
	Religion, nec	0	0	0	0	0	0	0	0	0	0	0
Teaching	TEACHING & RELATED	3	3	4	0	0	0	1	2	4	5	4
	University Teaching & Rltd Occupations	0	0	0	0	0	0	0	0	0	0	0
	University teachers	0	0	0	0	0	0	0	0	0	0	0
	University teaching & rltd, nec	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0.001
1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	3	3	0.001	0.002
0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0.001	0.001
1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	0.001	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	5	3	0	0	2	5	7	8	8	8	9	9	8	7	5	2	0	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	4	2	0	0	2	4	5	6	6	7	7	7	7	6	4	2	0	0.017	0.004
1	1	0	0	0	0	1	1	1	1	1	2	2	2	1	1	0	0	0.003	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	3	3	2	2	3	3	3	3	4	4	4	4	4	4	4	4	4	0.003	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0	0	0	0	0	0
0	0	0	0	0.001	0.002	0.004	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0.001	0.002	0.003	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.008	0.009	0.014	0.038	0.071	0.035	0.006	0.005	0.003	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.007	0.008	0.012	0.032	0.059	0.029	0.005	0.004	0.002	0	0
0	0	0.001	0.002	0.002	0.006	0.011	0.006	0.001	0.001	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0.001	0.002	0.004	0.005	0.004	0.003	0.003	0.003	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003
0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0.002	0.005	0.007	0.008	0.008	0.008	0.009	0.009	0.008	0.007	0.005	0.002	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.002	0.004	0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.006	0.004	0.002	0
0	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.001	0.001	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

Elementary & Secondary School Teaching	1	1	1	0	0	0	0	0	1	1	1
& Related Occupations	0	0	0								
Elementary & kindergarten teachers	0	0	0	0	0	0	0	0	0	0	0
Secondary school teachers	0	0	0	0	0	0	0	0	0	0	0
Elem&secondry school teach&rltd occs,ne	0	0	0	0	0	0	0	0	0	0	0

Yukon Occupation Impact Debt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
		Average Impact (Employed)									
Other Teaching & Related Occupations	2	2	3	0	0	0	0	1	3	5	3
Community college & vocational teachers	0	0	0	0	0	0	0	0	0	0	0
Fine arts teachers, nec	0	0	0	0	0	0	0	0	0	1	0
Post-secondary school teachers, nec	0	0	0	0	0	0	0	0	0	0	0
Teachers of exceptional students, nec	0	0	0	0	0	0	0	0	0	0	0
Instructors & training officers, nec	1	1	2	0	0	0	0	1	2	3	2
Oth teaching & rltd, nec	0	0	1	0	0	0	0	0	0	1	0
Medicine & MEDICINE & HEALTH	5	5	7	0	0	1	1	3	7	10	7
Health Diagnosing & Treating Occupations	0	0	0	0	0	0	0	0	0	0	0
Physicians & surgeons	0	0	0	0	0	0	0	0	0	0	0
Dentists	0	0	0	0	0	0	0	0	0	0	0
Veterinarians	0	0	0	0	0	0	0	0	0	0	0
Osteopaths & chiropractors	0	0	0	0	0	0	0	0	0	0	0
Health diagnosing & treating, nec	0	0	0	0	0	0	0	0	0	0	0
Nursing, Therapy & Related	2	2	3	0	0	0	0	1	3	4	3
Assisting Occupations	0	0	0								
Supervisors:nursing,therap&rltd ass.occ	0	0	0	0	0	0	0	0	0	0	0
Nurses, registered, grad&in-training	1	1	1	0	0	0	0	0	1	1	1
Orderlies	0	0	0	0	0	0	0	0	0	0	0
Registered nursing assistants	0	0	0	0	0	0	0	0	0	0	0
Nursing attendants	1	0	1	0	0	0	0	0	1	2	1

1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.002	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-10	2011-25
				Impact														Average Impact	
2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	0.001	0.001
0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0.001
5	5	5	4	4	5	5	6	6	6	7	7	8	8	8	8	9	9	0.003	0.005
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.003	0.005
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
1	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	0.002	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.002	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0.001	0.001

0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0	0	0.001	0.003	0.005	0.003	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0.001	0.001	0.003	0.007	0.01	0.007	0.005	0.005	0.005	0.004	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.003	0.004	0.003	0.001	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0

	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	2013	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
act													
	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.008	0.008	0.008	0.008	0.009	0.009
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

Audio & speech therapists	0	0	0	0	0	0	0	0	0	0	0
Physiotherapists	0	0	0	0	0	0	0	0	0	0	0
Occupational therapists	0	0	0	0	0	0	0	0	0	0	0
Nursing, therapy & rltd ass.occs, nec	0	0	0	0	0	0	0	0	0	0	0
Other Occupations in Medicine & Health	3	3	4	0	0	1	1	2	4	5	4
Pharmacists	1	2	2	0	0	0	0	1	2	2	2
Dietitians & nutritionists	0	0	0	0	0	0	0	0	0	0	0
Optometrists	0	0	0	0	0	0	0	0	0	0	0
Dispensing opticians	0	0	0	0	0	0	0	0	0	0	0
Radiological technologists&technicians	0	0	0	0	0	0	0	0	0	0	0
Medical lab technologists&technicians	1	0	1	0	0	0	0	0	1	2	1
Denturists	0	0	0	0	0	0	0	0	0	0	0
Dental hygienists & dental assistants	0	0	0	0	0	0	0	0	0	0	0
Dental laboratory technicians	0	0	0	0	0	0	0	0	0	0	0
Respiratory technicians	0	0	0	0	0	0	0	0	0	0	0
Oth medicine & health, nec	1	1	1	0	0	0	0	0	1	1	1

	Yukon Occupation Impact Debt	**2002-07**	**2008-12 Average Impact (Employed)**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
Artistic, Lit	ARTISTIC, LITERARY, RECREATIONAL &	21	6	18	0	0	3	4	12	33	49	23
	RELATED	0	0	0								
	Occupations in Fine & Commercial Art,	12	3	10	0	0	2	2	6	18	28	13
	Photography & Related Fields	0	0	0								
	Painters, sculptors & rltd artists	1	0	0	0	0	0	0	0	1	1	1
	Product & interior designers	6	2	5	0	0	1	1	3	8	15	8
	Advertising & illustrating artists	5	0	4	0	0	1	1	3	8	10	4
	Photographers & camera operators	1	0	0	0	0	0	0	0	1	1	1
	Occs in fine&comm art, photo&rltd, nec	0	0	0	0	0	0	0	0	0	0	0
	Occupations in Performing &	2	1	2	0	0	0	0	1	3	5	2
	Audio-visual Arts	0	0	0								
	Producers&directors, perform & av arts	1	0	1	0	0	0	0	0	1	2	1
	Conductors, composers & arrangers	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.001	0.001
3	3	3	2	2	3	3	3	4	4	4	4	4	5	5	5	5	6	0.001	0.001
2	2	2	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-10	2011-25
				Impact														Average Impact	
8	8	6	3	4	7	10	13	15	17	18	20	22	23	23	22	21	22	0.005	0.001
4	3	3	1	2	3	5	7	8	9	10	11	12	13	13	12	12	12	0.004	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	2	2	2	2	3	4	4	4	5	5	6	6	6	6	6	6	0.004	0.003
1	1	0	-1	0	1	2	3	3	4	4	5	6	6	6	6	6	6	0.003	0.002
0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	0	0
0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.001	0.001	0.002	0.004	0.005	0.004	0.003	0.003	0.003	0.002	0.002
0	0	0	0	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0	0
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0.003	0.004	0.012	0.033	0.049	0.023	0.008	0.008	0.006	0.003	0.004
0	0	0.002	0.002	0.006	0.018	0.028	0.013	0.004	0.003	0.003	0.001	0.002
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0.001	0.001	0.003	0.008	0.015	0.008	0.002	0.002	0.002	0.002	0.002
0	0	0.001	0.001	0.003	0.008	0.01	0.004	0.001	0.001	0	-0.001	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.003	0.005	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0.001
0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.006
0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

act

2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
0.007	0.01	0.013	0.015	0.017	0.018	0.02	0.022	0.023	0.023	0.022	0.021	0.022
0.003	0.005	0.007	0.008	0.009	0.01	0.011	0.012	0.013	0.013	0.012	0.012	0.012
0	0	0	0	0	0	0	0	0	0	0	0	0
0.002	0.003	0.004	0.004	0.004	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006
0.001	0.002	0.003	0.003	0.004	0.004	0.005	0.006	0.006	0.006	0.006	0.006	0.006
0	0	0	0	0	0	0	0.001	0.001	0.001	0	0	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0

	Musicians & singers	0	0	0	0	0	0	0	0	0	0	0
	Occs rltd to music & mus entertain, nec	0	0	0	0	0	0	0	0	0	0	0
	Dancers & choreographers	0	0	0	0	0	0	0	0	0	0	0
	Actors/actresses	0	0	0	0	0	0	0	0	0	0	0
	Radio & television announcers	1	0	1	0	0	0	0	0	1	2	1
	Performing & audio-visual arts, nec	0	0	0	0	0	0	0	0	0	1	0
	Occupations in Writing	6	2	5	0	0	1	1	4	10	13	6
	Writers & editors	5	1	3	0	0	1	1	3	9	12	5
	Translators & interpreters	1	0	2	0	0	0	0	1	1	2	1
	Writing, nec	0	0	0	0	0	0	0	0	0	0	0
	Occupations in Sports & Recreation	1	1	1	0	0	0	0	1	2	3	2
	Supervisors: sports & recreation	0	0	0	0	0	0	0	0	0	0	0
	Coaches,trainers&instructors,sports&rec	1	0	1	0	0	0	0	0	1	2	1
	Referees & rltd officials	0	0	0	0	0	0	0	0	0	0	0
	Athletes	0	0	0	0	0	0	0	0	0	0	0
	Attendants, sports & recreation	0	0	0	0	0	0	0	0	0	0	0
	Sports & recreation, nec	0	0	0	0	0	0	0	0	1	1	0
Clerical	CLERICAL & RELATED	320	123	181	0	0	38	46	145	434	809	446
	Stenographic & Typing Occupations	90	22	33	0	0	10	12	38	119	237	125
	Supervisors:Stenographic & typing	1	0	0	0	0	0	0	0	1	1	1
	Secretaries & stenographers	87	21	31	0	0	10	12	36	114	230	121
	Typists & clerk-typists	2	1	2	0	0	0	0	1	3	6	3
	Bookkeeping, Account-recording &	125	47	65	0	0	15	18	57	170	314	176
	Related Occupations	0	0	0								
	Supervisors:book, acct-record&rltd occs	3	1	2	0	0	0	0	1	4	7	4
	Bookkeepers & accounting clerks	98	23	31	0	0	8	10	40	130	261	140
	Cashiers & tellers	21	21	31	0	0	6	7	14	32	39	29
	Insurance, bank & oth finance clerks	2	1	1	0	0	0	0	1	3	4	2
	Statistical clerks	1	0	1	0	0	0	0	0	1	1	1
	Bookkeep, acct-recording&rltd occs, nec	1	0	1	0	0	0	0	0	1	1	1
	Yukon Occupation Impact Debt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	3	2	1	1	2	3	4	5	5	6	6	7	7	7	6	6	6	0	0
2	2	2	0	1	1	2	3	3	3	3	4	4	4	4	4	4	4	0.004	0.002
0	0	1	0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	0.001	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	145	130	99	96	112	130	151	166	174	183	195	206	212	210	205	201	206	0.177	0.043
26	27	23	17	16	20	25	29	32	34	35	37	39	39	38	36	32	31	0.051	0.01
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	26	22	16	16	19	23	28	30	32	33	35	37	37	35	34	30	29	0.067	0.027
1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	0.002	0.002
57	56	50	37	35	40	46	54	59	61	64	69	73	75	75	74	75	80	0.072	0.013
2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	0.002	0.001
28	30	25	18	16	19	22	26	29	30	32	34	36	36	36	34	33	33	0.073	0.02
25	23	21	17	17	19	21	24	26	27	29	31	33	35	35	36	38	43	0.014	0.011
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0.001	0
0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0
0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2002-10**	**2011-25**

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0.001	0.001	0.004	0.01	0.013	0.006	0.003	0.003	0.002	0.001	0.001
0	0	0.001	0.001	0.003	0.009	0.012	0.005	0.002	0.002	0.002	0	0.001
0	0	0	0	0.001	0.001	0.002	0.001	0	0	0.001	0	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0.001	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0	0	0	0	0	0
0	0	0.038	0.046	0.145	0.434	0.809	0.446	0.145	0.145	0.13	0.099	0.096
0	0	0.01	0.012	0.038	0.119	0.237	0.125	0.026	0.027	0.023	0.017	0.016
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0.01	0.012	0.036	0.114	0.23	0.121	0.025	0.026	0.022	0.016	0.016
0	0	0	0	0.001	0.003	0.006	0.003	0.001	0.001	0.001	0.001	0.001
0	0	0.015	0.018	0.057	0.17	0.314	0.176	0.057	0.056	0.05	0.037	0.035
0	0	0	0	0.001	0.004	0.007	0.004	0.002	0.002	0.001	0.001	0.001
0	0	0.008	0.01	0.04	0.13	0.261	0.14	0.028	0.03	0.025	0.018	0.016
0	0	0.006	0.007	0.014	0.032	0.039	0.029	0.025	0.023	0.021	0.017	0.017
0	0	0	0	0.001	0.003	0.004	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0.002	0.003	0.004	0.005	0.005	0.006	0.006	0.007	0.007	0.007	0.006	0.006	0.006
0.001	0.002	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004
0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.112	0.13	0.151	0.166	0.174	0.183	0.195	0.206	0.212	0.21	0.205	0.201	0.206
0.02	0.025	0.029	0.032	0.034	0.035	0.037	0.039	0.039	0.038	0.036	0.032	0.031
0	0	0	0	0	0	0	0	0	0	0	0	0
0.019	0.023	0.028	0.03	0.032	0.033	0.035	0.037	0.037	0.035	0.034	0.03	0.029
0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.04	0.046	0.054	0.059	0.061	0.064	0.069	0.073	0.075	0.075	0.074	0.075	0.08
0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.019	0.022	0.026	0.029	0.03	0.032	0.034	0.036	0.036	0.036	0.034	0.033	0.033
0.019	0.021	0.024	0.026	0.027	0.029	0.031	0.033	0.035	0.035	0.036	0.038	0.043
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	0
0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
2013	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**

		Average Impact (Employed)									
Office Machine & Electronic	14	9	17	0	0	2	3	7	20	34	18
Dataprocessing Equipment Operators	0	0	0								
Supervisors:office machine&EDP eqpt ope	1	1	1	0	0	0	0	0	1	2	1
Office machine operators	1	1	1	0	0	0	0	1	2	3	2
Electronic data-processing eqpt oper	12	8	15	0	0	2	2	6	18	30	16
Material Recording, Scheduling &	19	13	18	0	0	3	3	9	26	44	27
Distibuting Occupations	0	0	0								
Supers:Mat record, sched&distrib occs	1	1	1	0	0	0	0	1	1	3	1
Production clerks	1	1	1	0	0	0	0	1	2	3	2
Shipping & receiving clerks	7	5	7	0	0	1	1	3	10	17	10
Stock clerks & rltd	8	6	9	0	0	1	2	4	12	18	12
Weighers	1	0	0	0	0	0	0	0	1	2	1
Mat record, schedul & distrib occs, nec	0	0	0	0	0	0	0	0	0	1	0
Library, File & Correspondence Clerks	2	1	2	0	0	0	0	1	2	5	3
& Related Occupations	0	0	0								
Supers:Lib, file&corres clerks&rltd occ	0	0	0	0	0	0	0	0	0	0	0
Library & file clerks	2	1	2	0	0	0	0	1	2	4	2
Lib, file&corresp clerks&rltd occs, nec	0	0	0	0	0	0	0	0	0	0	0
Reception, Information, Mail & Message	23	9	15	0	0	3	3	11	32	56	30
Distribution Occupations	0	0	0								
Supers:recept,info,mail&mess distr occs	1	0	0	0	0	0	0	0	1	1	1
Receptionists & information clerks	16	5	9	0	0	2	2	7	22	42	22
Mail carriers	0	0	0	0	0	0	0	0	0	0	0
Mail & postal clerks	1	1	1	0	0	0	0	1	2	2	1
Telephone operators	2	1	2	0	0	0	0	1	3	5	3
Messengers	1	0	1	0	0	0	0	0	1	2	1
Recept,info,mail&mess distrib occs, nec	1	1	1	0	0	0	0	1	2	3	2
Other Clerical & Related Occupations	48	23	31	0	0	5	6	22	65	119	68
Supervisors:oth clerical,rltd occs, nec	3	2	2	0	0	0	0	1	4	7	4
Collectors	1	1	2	0	0	0	0	1	2	3	1

Impact																		Average Impact	
9	9	9	8	9	11	13	15	16	17	18	19	20	20	20	20	19	19	0.006	0.005
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
8	8	8	7	8	9	11	13	14	15	16	17	17	18	18	17	17	16	0.01	0.012
14	14	13	11	11	12	13	15	16	17	18	19	20	21	21	21	22	24	0.01	0.004
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
5	5	5	4	4	4	5	6	6	6	7	7	8	8	8	8	8	9	0.006	0.005
7	7	6	5	5	6	6	7	8	8	9	9	10	10	10	10	11	12	0.007	0.005
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	10	9	7	7	8	10	12	13	14	15	16	17	18	17	17	17	17	0.011	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	6	6	4	4	5	6	7	8	9	9	10	10	11	10	10	10	10	0.014	0.01
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	3	3	0.002	0.002
0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0.001	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
28	28	25	18	17	19	22	25	28	29	31	33	35	36	36	36	34	35	0.026	0.008
2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	0.002	0.002
1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	0.001	0.001

0	0	0.002	0.003	0.007	0.02	0.034	0.018	0.009	0.009	0.009	0.008	0.009
0	0	0	0	0	0.001	0.002	0.001	0	0.001	0.001	0.001	0.001
0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0.002	0.002	0.006	0.018	0.03	0.016	0.008	0.008	0.008	0.007	0.008
0	0	0.003	0.003	0.009	0.026	0.044	0.027	0.014	0.014	0.013	0.011	0.011
0	0	0	0	0.001	0.001	0.003	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0.001	0.001	0.003	0.01	0.017	0.01	0.005	0.005	0.005	0.004	0.004
0	0	0.001	0.002	0.004	0.012	0.018	0.012	0.007	0.007	0.006	0.005	0.005
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0.001	0.002	0.005	0.003	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.002	0.004	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.003	0.003	0.011	0.032	0.056	0.03	0.01	0.01	0.009	0.007	0.007
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0.002	0.002	0.007	0.022	0.042	0.022	0.006	0.006	0.006	0.004	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0.001	0.003	0.005	0.003	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0.005	0.006	0.022	0.065	0.119	0.068	0.028	0.028	0.025	0.018	0.017
0	0	0	0	0.001	0.004	0.007	0.004	0.002	0.002	0.002	0.001	0.001
0	0	0	0	0.001	0.002	0.003	0.001	0.001	0.001	0.001	0.001	0.001

0.011	0.013	0.015	0.016	0.017	0.018	0.019	0.02	0.02	0.02	0.02	0.019	0.019
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.009	0.011	0.013	0.014	0.015	0.016	0.017	0.017	0.018	0.018	0.017	0.017	0.016
0.012	0.013	0.015	0.016	0.017	0.018	0.019	0.02	0.021	0.021	0.021	0.022	0.024
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.004	0.005	0.006	0.006	0.006	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.009
0.006	0.006	0.007	0.008	0.008	0.009	0.009	0.01	0.01	0.01	0.01	0.011	0.012
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0.001	0.001
0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0.008	0.01	0.012	0.013	0.014	0.015	0.016	0.017	0.018	0.017	0.017	0.017	0.017
0	0	0	0	0	0	0	0	0	0	0	0	0
0.005	0.006	0.007	0.008	0.009	0.009	0.01	0.01	0.011	0.01	0.01	0.01	0.01
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003
0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.019	0.022	0.025	0.028	0.029	0.031	0.033	0.035	0.036	0.036	0.036	0.034	0.035
0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002

Claim adjusters	1	1	1	0	0	0	0	1	2	3	2
Trav clerks,ticket,station,freight agen	6	6	3	0	0	1	1	3	8	12	10
Hotel clerks	2	0	1	0	0	0	1	1	3	4	2
Personnel clerks	1	0	1	0	0	0	0	0	1	1	1
General office clerks	28	10	14	0	0	2	3	12	37	73	40
Oth clerical & rltd, nec	7	4	6	0	0	1	1	3	9	16	9

	Yukon Occupation Impact Debt	**2002-07**	**2008-12 Average Impact (Employed)**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
Sales	SALES	95	77	117	0	0	19	24	55	139	199	133
	Sales Occupations, Commodities	83	72	109	0	0	17	21	48	120	171	119
	Supervisors:Sales, commodities	11	11	16	0	0	2	3	7	16	22	16
	Technical sales & rltd advisers	2	1	1	0	0	0	0	1	3	7	3
	Commercial travellers	5	1	2	0	0	0	0	2	7	14	7
	Sales clerks&salespersons, commod, nec	57	52	78	0	0	12	15	33	83	115	83
	Street vendors & door-to-door sales	1	1	2	0	0	0	0	1	2	3	2
	Newspaper carriers & vendors	1	1	1	0	0	0	0	0	1	1	1
	Service station attendants	3	4	6	0	0	1	1	2	5	5	5
	Sales:Commodities, nec	2	1	2	0	0	0	0	1	2	4	2
	Sales Occupations, Services	10	4	5	0	0	2	2	6	16	23	11
	Supervisors:Sales, services	2	1	1	0	0	0	0	1	3	4	2
	Insurance sales	2	1	1	0	0	0	0	1	3	4	2
	Real estate sales	2	1	1	0	0	0	1	1	3	5	2
	Sales agents & traders, securities	1	0	1	0	0	0	0	0	1	2	1
	Advertising sales	2	0	1	0	0	0	0	2	4	6	2
	Business services sales	1	0	1	0	0	0	0	1	1	2	1
	Sales:Services, nec	1	0	0	0	0	0	0	0	1	1	1
	Other Sales Occupations	2	2	3	0	0	0	1	1	3	4	3
	Supervisors:oth sales	0	0	0	0	0	0	0	0	0	0	0
	Buyers, wholesale & retail trade	1	1	1	0	0	0	0	0	1	1	1
	Route drivers	1	0	1	0	0	0	0	0	1	1	1
	Oth sales, nec	1	0	1	0	0	0	0	1	1	2	1

1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	0.001	0.001
9	8	6	3	2	1	2	2	3	3	3	4	4	4	4	4	4	3	0.006	0.003
1	1	0	0	0	0	1	1	1	1	1	2	2	2	2	2	2	2	0	0
0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0
11	11	10	8	8	9	11	12	13	14	14	15	16	17	16	16	16	16	0.022	0.011
4	4	4	4	4	4	5	5	6	6	6	7	7	7	7	7	7	7	0.006	0.005

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-10	2011-25
				Impact														Average Impact	
90	85	80	65	65	73	80	92	100	105	111	120	127	134	137	137	147	162	0.039	0.017
83	79	75	61	61	68	74	85	93	97	103	111	117	124	127	128	139	154	0.037	0.017
12	12	11	9	9	10	11	12	13	14	15	16	17	18	18	19	20	23	0.009	0.007
1	1	1	0	0	1	1	1	1	1	1	1	2	2	2	2	2	1	0.002	0.001
1	2	1	1	1	1	2	2	2	2	2	3	3	3	3	3	3	3	0.004	0.002
61	57	54	45	44	49	53	61	66	69	73	79	84	89	91	92	100	111	0.045	0.033
1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	0.001	0.001
1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	0.001	0
5	4	4	4	4	4	4	5	5	5	6	6	6	7	7	7	8	9	0.003	0.002
1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	3	0.001	0.001
5	5	4	2	2	3	4	4	5	5	5	6	6	6	6	5	5	4	0.002	0
1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	0.001	0.001
1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0.001	0
2	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0.001	0
0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0
0	0	0	-1	-1	-1	0	0	0	1	1	1	1	1	1	1	1	1	0.002	0
1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	2	1	1	2	2	2	2	3	3	3	3	3	4	4	4	4	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0.001	0
0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	0.001	0.001

0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0.001	0.001	0.003	0.008	0.012	0.01	0.009	0.008	0.006	0.003	0.002
0	0	0	0.001	0.001	0.003	0.004	0.002	0.001	0.001	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0.002	0.003	0.012	0.037	0.073	0.04	0.011	0.011	0.01	0.008	0.008
0	0	0.001	0.001	0.003	0.009	0.016	0.009	0.004	0.004	0.004	0.004	0.004

2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
0	0	0.019	0.024	0.055	0.139	0.199	0.133	0.09	0.085	0.08	0.065	0.065
0	0	0.017	0.021	0.048	0.12	0.171	0.119	0.083	0.079	0.075	0.061	0.061
0	0	0.002	0.003	0.007	0.016	0.022	0.016	0.012	0.012	0.011	0.009	0.009
0	0	0	0	0.001	0.003	0.007	0.003	0.001	0.001	0.001	0	0
0	0	0	0	0.002	0.007	0.014	0.007	0.001	0.002	0.001	0.001	0.001
0	0	0.012	0.015	0.033	0.083	0.115	0.083	0.061	0.057	0.054	0.045	0.044
0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0.001	0.001	0.002	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004
0	0	0	0	0.001	0.002	0.004	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0.002	0.002	0.006	0.016	0.023	0.011	0.005	0.005	0.004	0.002	0.002
0	0	0	0	0.001	0.003	0.004	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0.001	0.003	0.004	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0.001	0.001	0.003	0.005	0.002	0.002	0.002	0.001	0.001	0.001
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0.002	0.004	0.006	0.002	0	0	0	-0.001	-0.001
0	0	0	0	0.001	0.001	0.002	0.001	0.001	0.001	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0.001	0.001	0.003	0.004	0.003	0.002	0.002	0.002	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0	0
0	0	0	0	0	0.001	0.001	0.001	0.001	0	0	0	0
0	0	0	0	0.001	0.001	0.002	0.001	0	0	0	0	0

0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.002	0.002
0.001	0.002	0.002	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.003
0	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.009	0.011	0.012	0.013	0.014	0.014	0.015	0.016	0.017	0.016	0.016	0.016	0.016
0.004	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007

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2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
0.073	0.08	0.092	0.1	0.105	0.111	0.12	0.127	0.134	0.137	0.137	0.147	0.162
0.068	0.074	0.085	0.093	0.097	0.103	0.111	0.117	0.124	0.127	0.128	0.139	0.154
0.01	0.011	0.012	0.013	0.014	0.015	0.016	0.017	0.018	0.018	0.019	0.02	0.023
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.001
0.001	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003
0.049	0.053	0.061	0.066	0.069	0.073	0.079	0.084	0.089	0.091	0.092	0.1	0.111
0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002
0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.007	0.008	0.009
0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003
0.003	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.005	0.005	0.004
0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	0	0	0
0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
-0.001	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002

Service	SERVICE	198	86	173	0	0	39	49	115	295	448	241
	Protective Service Occupations	12	7	25	0	0	2	2	7	20	30	13
	Fire-fighting	1	0	0	0	0	0	0	0	1	2	1
	Police officers & detectives, gov't	0	0	0	0	0	0	0	0	0	0	0
	Police agents & investigators, private	1	0	1	0	0	0	0	0	1	2	1
	Guards & rltd security	11	6	23	0	0	1	2	6	18	26	11
	Protective service, nec	0	0	0	0	0	0	0	0	1	1	0
	Food & Beverage Preparation & Related	79	20	58	0	0	17	21	51	125	174	84
	Service Occupations	0	0	0								
	Supers:Food&bev prep&rltd service occs	8	2	6	0	0	2	2	5	12	17	8
	Chefs & cooks	25	6	18	0	0	5	7	16	40	56	27
	Bartenders	5	1	3	0	0	1	1	3	8	11	5
	Food & beverage serving	37	9	27	0	0	8	10	24	59	82	40
	Food&bev prep & rltd service occs, nec	4	1	3	0	0	1	1	2	6	9	4
	Occupations in Lodging & Other	6	1	4	0	0	1	2	4	10	14	7
	Accommodation	0	0	0								
	Supervisors:Lodging & oth accommodation	3	1	1	0	0	0	1	1	4	6	3
	Lodging cleaners, except private hhold	3	1	2	0	0	1	1	2	5	7	3
	Sleeping-car & baggage porters	0	0	0	0	0	0	0	0	1	1	0
	Lodging & oth accommodation, nec	0	0	0	0	0	0	0	0	1	1	0

Yukon Occupation Impact Debt	2002-07	2008-12 Average Impact (Employed)	2013-25	2000	2001	2002	2003	2004	2005	2006	2007
Personal Service Occupations	70	43	64	0	0	14	18	37	96	157	96
Funeral directors, embalmers&rltd occs	1	1	1	0	0	0	0	1	2	3	2
Housekeepers, servants & rltd	7	4	6	0	0	1	2	3	9	15	9
Barbers, hairdressers & rltd	31	18	29	0	0	7	8	16	43	70	42
Guides	0	0	0	0	0	0	0	0	0	0	0
Travel&rltd attendants, except food&bev	5	5	3	0	0	1	1	2	7	11	8
Child-care	25	15	24	0	0	5	7	13	34	56	34
Personal service, nec	1	0	1	0	0	0	0	0	1	2	1

122	103	83	58	64	84	104	131	150	161	175	190	201	209	209	210	210	218	0.027	0.014
6	7	8	7	9	12	15	19	22	24	26	28	29	30	30	31	29	28	0.006	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.001
0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	1	0	0.001
5	6	7	6	8	11	14	17	20	21	23	25	27	28	28	28	26	26	0.008	0.017
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	29	17	5	7	17	26	40	49	54	59	66	70	73	72	71	73	78	0.009	0.006
4	3	2	0	1	2	3	4	5	5	6	6	7	7	7	7	7	7	0.001	0.001
14	9	5	2	2	6	9	13	16	17	19	21	22	23	23	23	23	25	0.005	0.004
3	2	1	0	0	1	2	2	3	3	4	4	4	4	4	4	4	5	0.001	0.001
21	13	8	2	3	8	12	19	23	25	28	31	33	34	34	34	35	37	0.007	0.005
2	2	1	0	1	1	2	2	3	3	3	3	4	4	4	4	4	4	0.001	0.001
3	2	1	0	1	1	2	3	4	4	4	5	5	5	5	5	5	5	0.001	0
1	1	1	0	0	0	1	1	1	1	1	2	2	2	2	2	2	2	0.001	0
2	1	1	0	0	1	1	2	2	2	2	3	3	3	3	3	3	3	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2002-10**	**2011-25**
				Impact														**Average Impact**	
51	48	43	36	37	41	46	52	56	59	63	68	71	74	75	76	75	78	0.001	0.002
1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	0.001	0.002
4	4	4	3	3	4	4	5	5	6	6	6	7	7	7	7	7	7	0.006	0.007
21	20	18	16	17	19	21	24	26	27	29	31	32	34	34	35	35	36	0.029	0.033
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	7	5	3	2	1	1	2	2	2	3	3	3	4	4	3	3	3	0.005	0.002
17	16	15	13	14	15	17	19	21	22	23	25	26	27	27	28	28	29	0.023	0.027
0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001

0	0	0.039	0.049	0.115	0.295	0.448	0.241	0.122	0.103	0.083	0.058	0.064
0	0	0.002	0.002	0.007	0.02	0.03	0.013	0.006	0.007	0.008	0.007	0.009
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0.001	0.002	0.006	0.018	0.026	0.011	0.005	0.006	0.007	0.006	0.008
0	0	0	0	0	0.001	0.001	0	0	0	0	0	0
0	0	0.017	0.021	0.051	0.125	0.174	0.084	0.043	0.029	0.017	0.005	0.007
0	0	0.002	0.002	0.005	0.012	0.017	0.008	0.004	0.003	0.002	0	0.001
0	0	0.005	0.007	0.016	0.04	0.056	0.027	0.014	0.009	0.005	0.002	0.002
0	0	0.001	0.001	0.003	0.008	0.011	0.005	0.003	0.002	0.001	0	0
0	0	0.008	0.01	0.024	0.059	0.082	0.04	0.021	0.013	0.008	0.002	0.003
0	0	0.001	0.001	0.002	0.006	0.009	0.004	0.002	0.002	0.001	0	0.001
0	0	0.001	0.002	0.004	0.01	0.014	0.007	0.003	0.002	0.001	0	0.001
0	0	0	0.001	0.001	0.004	0.006	0.003	0.001	0.001	0.001	0	0
0	0	0.001	0.001	0.002	0.005	0.007	0.003	0.002	0.001	0.001	0	0
0	0	0	0	0	0.001	0.001	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0	0	0	0	0	0

2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
0	0	0.014	0.018	0.037	0.096	0.157	0.096	0.051	0.048	0.043	0.036	0.037
0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0.001	0.002	0.003	0.009	0.015	0.009	0.004	0.004	0.004	0.003	0.003
0	0	0.007	0.008	0.016	0.043	0.07	0.042	0.021	0.02	0.018	0.016	0.017
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.001	0.001	0.002	0.007	0.011	0.008	0.007	0.007	0.005	0.003	0.002
0	0	0.005	0.007	0.013	0.034	0.056	0.034	0.017	0.016	0.015	0.013	0.014
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0

0.084	0.104	0.131	0.15	0.161	0.175	0.19	0.201	0.209	0.209	0.21	0.21	0.218
0.012	0.015	0.019	0.022	0.024	0.026	0.028	0.029	0.03	0.03	0.031	0.029	0.028
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.001
0.011	0.014	0.017	0.02	0.021	0.023	0.025	0.027	0.028	0.028	0.028	0.026	0.026
0	0	0	0	0	0	0	0	0	0	0	0	0
0.017	0.026	0.04	0.049	0.054	0.059	0.066	0.07	0.073	0.072	0.071	0.073	0.078
0.002	0.003	0.004	0.005	0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007
0.006	0.009	0.013	0.016	0.017	0.019	0.021	0.022	0.023	0.023	0.023	0.023	0.025
0.001	0.002	0.002	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005
0.008	0.012	0.019	0.023	0.025	0.028	0.031	0.033	0.034	0.034	0.034	0.035	0.037
0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004
0.001	0.002	0.003	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005
0	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.001	0.001	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

	2013	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
act													
	0.041	0.046	0.052	0.056	0.059	0.063	0.068	0.071	0.074	0.075	0.076	0.075	0.078
	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002
	0.004	0.004	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007
	0.019	0.021	0.024	0.026	0.027	0.029	0.031	0.032	0.034	0.034	0.035	0.035	0.036
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.003	0.004	0.004	0.003	0.003	0.003
	0.015	0.017	0.019	0.021	0.022	0.023	0.025	0.026	0.027	0.027	0.028	0.028	0.029
	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

	Apparel & Furnishings Service	8	4	7	0	0	2	2	4	11	18	11
	Occupations	0	0	0								
	Supervisors:Apparel & furnishings svc	1	1	1	0	0	0	0	0	1	2	1
	Laundering & dry cleaning	4	2	3	0	0	1	1	2	5	8	4
	Pressing	1	1	1	0	0	0	0	1	2	3	2
	Apparel & furnishings service, nec	2	1	2	0	0	0	1	1	3	5	3
	Other Service Occupations	23	9	16	0	0	3	4	12	33	55	30
	Supervisors:oth service	1	0	1	0	0	0	0	0	1	2	1
	Janitors, charworkers & cleaners	14	5	8	0	0	2	2	7	19	35	19
	Elevator-operating	0	0	0	0	0	0	0	0	0	1	0
	Labouring & oth elemental work:oth svc	8	3	6	0	0	2	2	5	12	16	9
	Oth service, nec	1	0	1	0	0	0	0	0	1	2	1
Farming	FARMING, HORTICULTURAL & ANIMAL	67	9	5	0	0	0	1	23	86	191	102
	HUSBANDRY	0	0	0								
	Farmers	0	0	0	0	0	0	0	0	0	0	0
	Other Farming, Horticultural & Animal	67	9	5	0	0	0	1	23	86	191	102
	Husbandry Occupations	0	0	0								
	Foremn/womn:oth farm,hort&animal hsbdry	0	0	0	0	0	0	0	0	0	0	0
	Livestock farm workers	0	0	0	0	0	0	0	0	0	0	0
	Crop farm workers	0	0	0	0	0	0	0	0	0	0	0
	Nursery & rltd workers	66	9	5	0	0	0	1	22	84	187	100
	Inspect&test&grad&sampl occs:oth farm	0	0	0	0	0	0	0	0	0	0	0
	Farm machinery operators	0	0	0	0	0	0	0	0	0	1	0
	Oth farm, horticult&animal hsbdry, nec	1	0	0	0	0	0	0	0	2	3	2

Yukon and I
Employm
Standard Occ
Thousands

5	5	4	4	4	5	5	6	6	7	7	8	8	8	8	9	9	9	0	0
1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
2	2	2	2	2	2	2	2	3	3	3	3	3	4	4	4	4	4	0.003	0.003
1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	0.001	0.002
1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	0.002	0.002
13	11	9	6	6	8	9	12	14	14	16	17	18	19	19	19	19	20	0.009	0.003
0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0.001	0
7	6	5	4	4	5	5	6	7	8	8	9	9	9	9	9	9	10	0.01	0.006
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	4	3	2	2	3	3	4	5	6	6	7	7	8	8	8	8	8	0.003	0.002
0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0
10	13	11	8	5	4	4	4	5	5	5	5	6	6	6	6	6	6	0.063	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	13	11	8	5	4	4	4	5	5	5	5	6	6	6	6	6	6	0.063	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	13	10	7	4	4	4	4	4	5	5	5	5	5	5	6	6	6	0.049	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0

erritories
pation
assification

0	0	0.002	0.002	0.004	0.011	0.018	0.011	0.005	0.005	0.004	0.004	0.004
0	0	0	0	0	0.001	0.002	0.001	0.001	0.001	0.001	0	0
0	0	0.001	0.001	0.002	0.005	0.008	0.004	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0.001	0.001	0.003	0.005	0.003	0.001	0.001	0.001	0.001	0.001
0	0	0.003	0.004	0.012	0.033	0.055	0.03	0.013	0.011	0.009	0.006	0.006
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0.002	0.002	0.007	0.019	0.035	0.019	0.007	0.006	0.005	0.004	0.004
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0.002	0.002	0.005	0.012	0.016	0.009	0.005	0.004	0.003	0.002	0.002
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0.001	0.023	0.086	0.191	0.102	0.01	0.013	0.011	0.008	0.005
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0.001	0.023	0.086	0.191	0.102	0.01	0.013	0.011	0.008	0.005
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0.001	0.022	0.084	0.187	0.1	0.01	0.013	0.01	0.007	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0.002	0.003	0.002	0	0	0	0	0

0.005	0.005	0.006	0.006	0.007	0.007	0.008	0.008	0.008	0.008	0.009	0.009	0.009
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.008	0.009	0.012	0.014	0.014	0.016	0.017	0.018	0.019	0.019	0.019	0.019	0.02
0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.005	0.005	0.006	0.007	0.008	0.008	0.009	0.009	0.009	0.009	0.009	0.009	0.01
0	0	0	0	0	0	0	0	0	0	0	0	0
0.003	0.003	0.004	0.005	0.006	0.006	0.007	0.007	0.008	0.008	0.008	0.008	0.008
0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006
0	0	0	0	0	0	0	0	0	0	0	0	0
0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

	Yukon Occupation Impact Debt	2002-07	2008-12 Average Impact (Employed)	2013-25	2000	2001	2002	2003	2004	2005	2006	2007
Fishing & T	FISHING, TRAPPING & RELATED	0	0	0	0	0	0	0	0	0	0	0
	Captains&oth officers, fishing vessels	0	0	0	0	0	0	0	0	0	0	0
	Net, trap & line fishing	0	0	0	0	0	0	0	0	0	0	0
	Trapping & rltd	0	0	0	0	0	0	0	0	0	0	0
	Fishing, trapping & rltd, nec	0	0	0	0	0	0	0	0	0	0	0
Forestry	FORESTRY & LOGGING	2	0	0	0	0	0	0	1	3	6	3
	Foremen/women:Forestry & logging	0	0	0	0	0	0	0	0	0	0	0
	Forestry conservation	0	0	0	0	0	0	0	0	0	0	0
	Timber cutting & rltd	1	0	0	0	0	0	0	0	1	3	1
	Log inspecting,grading,scal,rltd occs	0	0	0	0	0	0	0	0	0	0	0
	Log hoisting, sorting, moving&rltd occs	0	0	0	0	0	0	0	0	0	1	0
	Labour&oth elem work:forestry & logging	1	0	0	0	0	0	0	0	1	1	1
	Forestry & logging, nec	0	0	0	0	0	0	0	0	0	1	1
Mining	MINING & QUARRYING INCLUDING OIL &	9	5	6	0	0	0	0	3	11	25	15
	GAS FIELD	0	0	0								
	Foremn/wn:Mining & quarrying,	1	1	1	0	0	0	0	0	2	4	2
	incl oil & gas field occs	0	0	0								
	Rotary well-drilling & rltd	1	0	0	0	0	0	0	0	1	3	2
	Rock & soil drilling	3	1	0	0	0	0	0	1	3	8	4
	Blasting	1	0	0	0	0	0	0	0	1	3	1
	Min&quarry:cutting,handling,load occs	1	0	0	0	0	0	0	0	1	3	1
	Labouring & oth element work:min&quarry	1	2	3	0	0	0	0	0	1	4	3
	Mining&quarrying,inc oil&gas field, nec	1	1	1	0	0	0	0	0	1	2	1
Processing	PROCESSING	16	9	13	0	0	2	2	8	22	40	23

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025		
				Impact															
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	0.009	0.005
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0
2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	0.002	0.002
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
10	10	10	8	8	9	10	11	12	12	13	14	14	15	15	15	15	17	0.011	0.005

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.003	0.006	0.003	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.003	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0.001	0.001	0	0	0	0	0
0	0	0	0	0.003	0.011	0.025	0.015	0.004	0.005	0.005	0.005	0.005
0	0	0	0	0	0.002	0.004	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0.001	0.003	0.002	0	0	0	0	0
0	0	0	0	0.001	0.003	0.008	0.004	0.001	0.001	0.001	0	0
0	0	0	0	0	0.001	0.003	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.003	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.004	0.003	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0.002	0.002	0.008	0.022	0.04	0.023	0.01	0.01	0.01	0.008	0.008

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.009	0.01	0.011	0.012	0.012	0.013	0.014	0.014	0.015	0.015	0.015	0.015	0.017

Mineral Ore Treating Occupations	0	0	0	0	0	0	0	0	0	1	0
Foremen/women:Mineral ore treating	0	0	0	0	0	0	0	0	0	0	0
Crushing & grinding, mineral ores	0	0	0	0	0	0	0	0	0	0	0
Mixing,separating,filter&rltd,min ores	0	0	0	0	0	0	0	0	0	0	0
Melting & roasting, mineral ores	0	0	0	0	0	0	0	0	0	0	0
Inspect,test,grad&sampl occs:min ores	0	0	0	0	0	0	0	0	0	0	0
Labour&oth elemental work:mineral ores	0	0	0	0	0	0	0	0	0	0	0
Mineral ore treating, nec	0	0	0	0	0	0	0	0	0	0	0
Metal Processing & Related Occupations	3	1	1	0	0	0	0	1	4	9	5
Foremn/wn:metal processing & rltd occs	0	0	0	0	0	0	0	0	0	1	0
Metal smelt, convert & refining occs	0	0	0	0	0	0	0	0	0	1	0
Metal heat-treating	0	0	0	0	0	0	0	0	0	0	0
Metal rolling	0	0	0	0	0	0	0	0	0	0	0
Moulding, coremaking & metal casting	1	0	0	0	0	0	0	0	1	1	1
Metal extruding & drawing	0	0	0	0	0	0	0	0	0	0	0
Plating, metal spraying & rltd	0	0	0	0	0	0	0	0	0	0	0
Insp,test,grad&sampl occs, metal proc	0	0	0	0	0	0	0	0	0	1	0
Labour & oth elemental work:metal proc	0	0	0	0	0	0	0	0	0	1	0
Metal processing & rltd, nec	1	0	0	0	0	0	0	0	1	3	2

Yukon Occupation Impact Debt	2002-07	2008-12 Average Impact (Employed)	2013-25	2000	2001	2002	2003	2004	2005	2006	2007
Clay, Glass & Stone Processing, Forming	3	0	0	0	0	0	0	1	4	9	5
& Related Occupations	0	0	0								
Foremn/wn:Clay,glass&stone pro,form&rlt	1	0	0	0	0	0	0	0	1	1	1
Furnace & kiln workers:clay,glass&stone	0	0	0	0	0	0	0	0	0	0	0
Separ,grind,crush&mix:clay,glass&stone	1	0	0	0	0	0	0	0	2	4	2
Forming:Clay, glass & stone	1	0	0	0	0	0	0	0	1	2	1
Insp,test,grad&sampl:clay,glass&stone	0	0	0	0	0	0	0	0	0	1	0
Labour&oth elem work:clay,glass & stone	0	0	0	0	0	0	0	0	0	1	0
Clay,glass&stone proc, form&rltd, nec	1	0	0	0	0	0	0	0	1	1	1
Chemicals, Petroleum, Rubber, Plastic &	2	2	4	0	0	0	0	1	3	6	4

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0.003	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2002-10**	**2011-25**
				Impact														**Average Impact**	
0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.003	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	2	2	3	3	3	3	4	4	4	4	4	4	4	3	3	3	0.002	0.003

0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.004	0.009	0.005	0.001	0.001	0.001	0.001	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0.001	0.003	0.002	0	0	0	0	0
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0	0	0.001	0.004	0.009	0.005	0	0.001	0.001	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.002	0.004	0.002	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0.001	0.003	0.006	0.004	0.002	0.002	0.002	0.002	0.003

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

act	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.003

Related Materials Processing Occupations	0	0	0								
Foremn/wen:chem,ptrlm,rbbr&plstic proc	0	0	1	0	0	0	0	0	0	1	0
Mixing & blending occs, chem&rltd mat	0	0	0	0	0	0	0	0	0	1	0
Filter, strain&separating,chem&rltd mat	0	0	0	0	0	0	0	0	0	0	0
Distil,sublim,carbonizing,chem&rltd mat	0	1	1	0	0	0	0	0	0	1	1
Roasting, cooking&drying,chem&rltd mat	0	0	0	0	0	0	0	0	0	0	0
Crushing&grinding, chemicals&rltd mat	0	0	0	0	0	0	0	0	0	0	0
Coating&calendering, chemicals&rltd mat	0	0	0	0	0	0	0	0	0	0	0
Insp,test,grad&sampling:chem&rltd mat	0	1	1	0	0	0	0	0	0	1	0
Labour&oth elemental work:chem&rltd mat	0	0	0	0	0	0	0	0	0	1	0
Chemicals&rltd materials proc occs, nec	1	0	1	0	0	0	0	0	1	2	1
Food, Beverage & Related Processing	5	5	8	0	0	1	2	3	8	9	7
Occupations	0	0	0								
Foremn/wn:food,bev&rltd processing occs	0	0	0	0	0	0	0	0	0	0	0
Flour & grain milling	0	0	0	0	0	0	0	0	0	0	0
Baking, confectionery making&rltd occs	3	2	4	0	0	1	1	2	4	5	3
Slaughter&meat cut,can,cure&pack occs	2	2	3	0	0	1	1	1	3	3	3
Fish canning, curing & packing	0	0	0	0	0	0	0	0	0	0	0
Fruit & veg canning, preserv&pack occs	0	0	0	0	0	0	0	0	0	0	0
Milk processing & rltd	0	0	0	0	0	0	0	0	0	0	0
Sugar processing & rltd	0	0	0	0	0	0	0	0	0	0	0
Insp, test, grading&sampling:food&bev	0	0	0	0	0	0	0	0	0	0	0
Beverage processing & rltd	0	0	0	0	0	0	0	0	0	0	0
Labouring&oth elemental work:food&bev	0	0	0	0	0	0	0	0	1	1	0
Food, bev & rltd processing occs, nec	0	0	0	0	0	0	0	0	0	0	0
Wood Processing Occupations, Except	1	0	0	0	0	0	0	0	1	2	1
Pulp & Papermaking	0	0	0								
Foremn/wn:wood proc, except pulp&paper	0	0	0	0	0	0	0	0	0	0	0
Sawmill sawyers & rltd	0	0	0	0	0	0	0	0	0	0	0
Plywood making & rltd	0	0	0	0	0	0	0	0	0	0	0
Wood treating	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
6	6	5	4	4	5	5	6	7	7	8	8	9	9	10	10	11	12	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	3	2	2	2	2	2	3	3	3	4	4	4	4	4	4	5	5	0.001	0.001
3	2	2	2	2	2	2	2	3	3	3	3	3	4	4	4	4	5	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0.001	0	0	0	0	0	0.001
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0.001	0.001	0.001
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0.001	0.002	0.003	0.008	0.009	0.007	0.006	0.006	0.005	0.004	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.001	0.001	0.002	0.004	0.005	0.003	0.003	0.003	0.002	0.002	0.002
0	0	0.001	0.001	0.001	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.005	0.005	0.006	0.007	0.007	0.008	0.008	0.009	0.009	0.01	0.01	0.011	0.012
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.002	0.002	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005
0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.005
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

Insp, test, grad&sampl occs:wood proc	0	0	0	0	0	0	0	0	0	0	0
Labouring&oth elemental work:wood proc	0	0	0	0	0	0	0	0	0	1	1
Wood proc, except pulp&papermaking, nec	0	0	0	0	0	0	0	0	0	0	0

Yukon Occupation Impact Debt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
		Average Impact **(Employed)**									
Pulp & Papermaking & Related Occupations	1	0	0	0	0	0	0	0	1	2	1
Foremn/wn:Pulp & papermaking&rltd occs	0	0	0	0	0	0	0	0	0	0	0
Cellulose pulp preparing	0	0	0	0	0	0	0	0	0	0	0
Papermaking & finishing	0	0	0	0	0	0	0	0	0	0	0
Inspect,test,grad&sampl occs:pulp&paper	0	0	0	0	0	0	0	0	0	0	0
Labour & oth elemental work:pulp&paper	0	0	0	0	0	0	0	0	0	0	0
Pulp & papermaking & rltd occs, nec	0	0	0	0	0	0	0	0	0	0	0
Textile Processing Occupations	1	0	0	0	0	0	0	0	1	1	1
Foremen/women:Textile processing	0	0	0	0	0	0	0	0	0	0	0
Textile fibre preparing	0	0	0	0	0	0	0	0	0	0	0
Textile spinning & twisting	0	0	0	0	0	0	0	0	0	0	0
Textile winding & reeling	0	0	0	0	0	0	0	0	0	0	0
Textile weaving	0	0	0	0	0	0	0	0	0	0	0
Knitting	0	0	0	0	0	0	0	0	0	0	0
Textile bleaching & dyeing	0	0	0	0	0	0	0	0	0	0	0
Textile finishing & calendering	0	0	0	0	0	0	0	0	0	0	0
Inspect,test,grad&sampl occs, tex proc	0	0	0	0	0	0	0	0	0	0	0
Labour&oth elemental work:textile proc	0	0	0	0	0	0	0	0	0	0	0
Textile processing, nec	0	0	0	0	0	0	0	0	0	0	0
Other Processing Occupations	0	0	0	0	0	0	0	0	0	0	0
Foremen/women:oth processing	0	0	0	0	0	0	0	0	0	0	0
Tobacco processing	0	0	0	0	0	0	0	0	0	0	0
Hide & pelt processing	0	0	0	0	0	0	0	0	0	0	0
Insp,test,grad&sampl occs:process nec	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-10	2011-25
Impact																		Average Impact	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
act	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

	Yukon Occupation Impact Debt	2002-07	2008-12	2013-25	2000	2001	2002	2003	2004	2005	2006	2007
	Labouring&oth elemental work:oth proc	0	0	0	0	0	0	0	0	0	0	0
	Oth processing, nec	0	0	0	0	0	0	0	0	0	0	0
Machining	MACHINING & RELATED	52	10	8	0	0	0	1	18	66	147	79
	Metal Machining Occupations	4	1	1	0	0	0	0	2	5	11	6
	Foremen/women:Metal machining	1	0	0	0	0	0	0	0	1	1	1
	Tool & die making	0	0	0	0	0	0	0	0	0	1	0
	Machinist & machine tool setting-up	3	1	1	0	0	0	0	1	4	7	4
	Machine tool operating	1	0	0	0	0	0	0	0	1	2	1
	Inspect,test,grad&sampl occs:metal mach	0	0	0	0	0	0	0	0	0	0	0
	Metal machining, nec	0	0	0	0	0	0	0	0	0	0	0
	Metal Shaping & Forming Occupations,	44	8	6	0	0	0	0	15	56	127	68
	Except Machining	0	0	0								
	Foremn/wn:metal shap&form, ex machining	3	1	1	0	0	0	0	1	4	10	5
	Forging	0	0	0	0	0	0	0	0	0	0	0
	Sheet metal workers	18	2	1	0	0	0	0	6	22	50	27
	Metalworking-machine operators, nec	1	0	0	0	0	0	0	0	1	2	1
	Welding & flame cutting	20	5	4	0	0	0	0	7	25	57	31
	Inspect,test,grad&sampl:metal shap&form	0	0	0	0	0	0	0	0	0	1	1
	Boilermkrs, platers & struct metal wkrs	2	0	0	0	0	0	0	1	3	6	3
	Metal shap&form occs, ex machining, nec	1	0	0	0	0	0	0	0	1	1	1

Yukon and I
Employm
Standard Occı
Thousands

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	13	11	8	6	6	7	7	7	8	8	8	8	8	8	8	8	8	0.048	0.004
1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0.003	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0.002	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	11	9	7	6	5	6	6	6	6	6	6	6	6	6	6	7	7	0.042	0.003
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.003	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.013	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	6	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0.015	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0.001	0.018	0.066	0.147	0.079	0.01	0.013	0.011	0.008	0.006
0	0	0	0	0.002	0.005	0.011	0.006	0.001	0.001	0.001	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0.001	0.004	0.007	0.004	0.001	0.001	0.001	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.015	0.056	0.127	0.068	0.009	0.011	0.009	0.007	0.006
0	0	0	0	0.001	0.004	0.01	0.005	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.006	0.022	0.05	0.027	0.002	0.003	0.003	0.002	0.001
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0.007	0.025	0.057	0.031	0.005	0.006	0.005	0.004	0.004
0	0	0	0	0	0	0.001	0.001	0	0	0	0	0
0	0	0	0	0.001	0.003	0.006	0.003	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.006	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

			Average Impact (Employed)									
	Wood Machining Occupations	1	0	0	0	0	0	0	0	1	2	1
	Foremen/women:Wood machining	0	0	0	0	0	0	0	0	0	0	0
	Wood patternmaking	0	0	0	0	0	0	0	0	0	0	0
	Wood sawing & rltd, nec	0	0	0	0	0	0	0	0	0	1	0
	Plane,turn,shaping&rltd wood mach occs	0	0	0	0	0	0	0	0	0	1	1
	Inspect,test,grad&sampl occs:wood mach	0	0	0	0	0	0	0	0	0	0	0
	Wood sanding	0	0	0	0	0	0	0	0	0	0	0
	Wood machining, nec	0	0	0	0	0	0	0	0	0	0	0
	Clay, Glass Stone & Related Materials	2	0	0	0	0	0	0	1	2	4	2
	Machining Occupations	0	0	0								
	Foremn/wn:clay,glass,stne&rltd mat mach	0	0	0	0	0	0	0	0	0	1	0
	Cut&shaping:clay,glass,stne&rltd mat	1	0	0	0	0	0	0	0	1	3	1
	Abrad&polish:clay,glass,stne&rltd mat	0	0	0	0	0	0	0	0	0	1	0
	Insp,test,grad&sampl:clay,glass&stone	0	0	0	0	0	0	0	0	0	0	0
	Clay,glass,stone&rltd mat mach, nec	0	0	0	0	0	0	0	0	0	0	0
	Other Machining & Related	1	0	0	0	0	0	0	0	1	2	1
	Occupations, NEC	0	0	0								
	Foremn/wn:oth machining&rltd occs, nec	0	0	0	0	0	0	0	0	0	0	0
	Engravers, etchers & rltd occs, nec	0	0	0	0	0	0	0	0	0	0	0
	Filing, grind, buff, clean&polish, nec	1	0	0	0	0	0	0	0	1	1	1
	Patternmakers & mouldmakers, nec	0	0	0	0	0	0	0	0	0	0	0
	Insp,test,grad&sampl:oth machining,nec	0	0	0	0	0	0	0	0	0	0	0
	Oth machining & rltd, nec	0	0	0	0	0	0	0	0	0	0	0
Fabricating	PRODUCT FABRICATING, ASSEMBLING &	118	48	58	0	0	7	9	48	156	309	178
	REPAIRING	0	0	0								
	Fabricating & Assembling Occupations:	6	2	2	0	0	0	0	2	7	15	9
	Metal Products NEC	0	0	0								

Impact

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	57	51	40	37	39	42	47	51	53	56	60	63	66	66	66	68	73	0.089	0.014
2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	0.004	0

0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.002	0.004	0.002	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0.001	0.003	0.001	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.007	0.009	0.048	0.156	0.309	0.178	0.055	0.057	0.051	0.04	0.037
0	0	0	0	0.002	0.007	0.015	0.009	0.002	0.002	0.002	0.001	0.001

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.039	0.042	0.047	0.051	0.053	0.056	0.06	0.063	0.066	0.066	0.066	0.068	0.073
0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002

Foremn/wn:Fabric&assembl,metal prod,nec	1	0	0	0	0	0	0	0	1	1	1
Engine&rltd eqpt fabric&assembling, nec	0	0	0	0	0	0	0	0	0	0	0
Motor vehicle fabric & assembling, nec	1	0	0	0	0	0	0	0	1	1	1
Aircraft fabric & assembling occs, nec	0	0	0	0	0	0	0	0	0	0	0
Mechanized eqpt fabric & assmbling, nec	2	0	0	0	0	0	0	1	3	6	3
Business&commer mach fabric&assmbl, nec	0	0	0	0	0	0	0	0	0	0	0
Insp,test,grad&sampl:fbric&assmbl nec	1	1	0	0	0	0	0	0	1	2	1
Precision instrum&rltd fbric&assmbl,nec	0	0	0	0	0	0	0	0	0	0	0
Labour&oth elem work:fabric&assembl nec	0	0	0	0	0	0	0	0	0	0	0
Oth fabric & assembling:metal prod, nec	1	0	0	0	0	0	0	0	2	3	2

Yukon Occupation Impact Debt	2002-07	2008-12 Average Impact (Employed)	2013-25	2000	2001	2002	2003	2004	2005	2006	2007
Fabricating, Assembling, Installing &	37	8	9	0	0	1	1	13	48	102	55
Repairing Occupations: Electrical,	0	0	0								
Electronic & Related Equipment	0	0	0								
Foremn/wmn:fabric&assemb:elec&rltd eqpt	2	0	0	0	0	0	0	1	3	6	3
Electrical & rltd eqpt fabric & assembl	2	0	0	0	0	0	0	1	3	7	3
Electrical&rltd eqpt install&repair,nec	25	5	3	0	0	0	0	9	32	72	39
Electronic & rltd eqpt fabric & assembl	1	0	0	0	0	0	0	0	1	2	1
Electronic&rltd eqpt install&repair,nec	4	2	3	0	0	0	0	2	6	12	6
Inspect etc:fabric&rltd,elect&rltd eqpt	1	0	0	0	0	0	0	0	1	1	1
Radio & television repairers	1	1	1	0	0	0	0	0	1	2	1
Labour&oth:fabric&rltd, elect&rltd eqpt	0	0	0	0	0	0	0	0	0	1	0
Fabric&rltd:electrical&rltd eqpt, nec	0	0	0	0	0	0	0	0	0	1	0
Fabricating, Assembling & Repairing	15	2	1	0	0	0	0	5	19	42	22
Occupations: Wood Products	0	0	0								
Foremn/wn:fabri,assemb&repair:wood prod	2	0	0	0	0	0	0	1	3	6	3
Cabinet & wood furniture makers	11	2	1	0	0	0	0	4	14	32	17
Insp&rltd:fabric,assembl&repair, wood	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2002-10**	**2011-25**
				Impact														**Average Impact**	
8	10	9	7	5	6	6	7	8	8	8	9	9	10	10	10	10	10	0.033	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0
5	6	5	4	3	2	3	3	3	3	3	3	4	4	4	4	4	4	0.019	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
2	2	2	2	2	2	2	2	3	3	3	3	3	4	4	4	3	3	0.003	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	3	3	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	0.014	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0
2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.008	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.003	0.006	0.003	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0.001	0.001	0.001	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.002	0.003	0.002	0	0	0	0	0
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0.001	0.001	0.013	0.048	0.102	0.055	0.008	0.01	0.009	0.007	0.005
0	0	0	0	0.001	0.003	0.006	0.003	0	0	0	0	0
0	0	0	0	0.001	0.003	0.007	0.003	0	0	0	0	0
0	0	0	0	0.009	0.032	0.072	0.039	0.005	0.006	0.005	0.004	0.003
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0.002	0.006	0.012	0.006	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0.005	0.019	0.042	0.022	0.002	0.003	0.003	0.002	0.001
0	0	0	0	0.001	0.003	0.006	0.003	0	0	0	0	0
0	0	0	0	0.004	0.014	0.032	0.017	0.002	0.002	0.002	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0

	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
act	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
	0.006	0.006	0.007	0.008	0.008	0.008	0.009	0.009	0.01	0.01	0.01	0.01	0.01
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.003	0.003
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	0	0	0	0	0	0	0	0	0	0	0	0	0

Labour:fabric,assembl&repair,wood prods	1	0	0	0	0	0	0	0	1	1	1
Fabric, assembl&repair:wood prods, nec	1	0	0	0	0	0	0	0	1	3	2
Fabricating, Assembling & Repairing	7	5	7	0	0	1	2	4	10	15	9
Occupations: Textile, Fur & Leather	0	0	0								
Products	0	0	0								
Foremn/wn:fabri&rltd:tex,fur&leath prod	1	0	0	0	0	0	0	0	1	1	1
Patternmak,mark&cut:tex,fur&leath prod	0	0	0	0	0	0	0	0	0	0	0
Tailors & dressmakers	2	2	2	0	0	0	1	1	3	5	3
Furriers	0	0	0	0	0	0	0	0	0	0	0
Milliners, hat & cap makers	0	0	0	0	0	0	0	0	0	0	0
Shoemaking & repairing	1	1	1	0	0	0	0	0	1	2	1
Upholsterers	1	1	1	0	0	0	0	0	1	1	1
Sewing machine operators, textile mat	2	1	2	0	0	0	1	1	3	5	3
Inspect&rltd:fabric&rltd,tex,fur&leath	0	0	0	0	0	0	0	0	0	0	0
Labour:fabri,assmbl&repair,tex,fur&lthr	0	0	0	0	0	0	0	0	0	0	0
Fabric&rltd:tex,fur&leather prod, nec	0	0	0	0	0	0	0	0	0	1	0
Fabricating, Assembling & Repairing	1	-1	1	0	0	0	0	1	2	3	1
Occupations: Rubber, Plastic &	0	0	0								
Related Products	0	0	0								
Foremn/wn:fabric&rltd:rubber&rltd prods	0	0	0	0	0	0	0	0	0	0	0
Bond&cementing:rubber,plastic&rltd prod	0	0	0	0	0	0	0	0	0	0	0
Moulding:Rubber, plastic&rltd products	0	0	0	0	0	0	0	0	1	1	0
Cut&finishing:rubber, plastic&rltd prod	0	0	0	0	0	0	0	0	0	0	0
Insp&rltd:fabric&rltd,rubber&rltd prod	0	0	0	0	0	0	0	0	0	0	0
Labour:fabri&rltd,rubbr,plast&rltd prod	0	0	0	0	0	0	0	0	0	0	0
Fabri,assmb&repair:rbbr&rltd prods, nec	0	0	0	0	0	0	0	0	0	1	0

Yukon Occupation Impact Debt	2002-07	2008-12	2013-25	2000	2001	2002	2003	2004	2005	2006	2007
		Average Impact (Employed)									
Mechanics & Repairers, NEC	49	30	36	0	0	4	5	21	65	121	76
Foremen/women:Mechanics&repairers, nec	4	3	4	0	0	0	1	2	5	10	6
Motor vehicle mechanics & repairers	15	14	19	0	0	3	4	8	21	31	22
Aircraft mechanics & repairers	5	5	2	0	0	0	1	2	6	10	8

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
5	5	5	4	4	5	5	6	6	7	7	7	8	8	8	8	9	9	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	2	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0
2	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	-1	-1	-1	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2002-10**	**2011-25**
				Impact														**Average Impact**	
35	35	32	26	24	25	27	29	31	33	34	36	38	40	41	41	43	46	0.034	0.011
3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	5	5	0.003	0.002
16	15	14	12	11	12	13	15	16	17	17	19	20	21	22	22	24	27	0.012	0.009
7	6	5	3	2	1	1	2	2	2	3	3	3	3	3	3	3	3	0.005	0.002

0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.003	0.002	0	0	0	0	0
0	0	0.001	0.002	0.004	0.01	0.015	0.009	0.005	0.005	0.005	0.004	0.004
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0.001	0.001	0.003	0.005	0.003	0.002	0.002	0.002	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0.001	0.001	0.001	0	0
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0	0
0	0	0	0.001	0.001	0.003	0.005	0.003	0.002	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0.001	0.002	0.003	0.001	0	0	-0.001	-0.001	-0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0.004	0.005	0.021	0.065	0.121	0.076	0.035	0.035	0.032	0.026	0.024
0	0	0	0.001	0.002	0.005	0.01	0.006	0.003	0.003	0.003	0.003	0.003
0	0	0.003	0.004	0.008	0.021	0.031	0.022	0.016	0.015	0.014	0.012	0.011
0	0	0	0.001	0.002	0.006	0.01	0.008	0.007	0.006	0.005	0.003	0.002

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.005	0.005	0.006	0.006	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.009	0.009
0	0	0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
act													
	0.025	0.027	0.029	0.031	0.033	0.034	0.036	0.038	0.04	0.041	0.041	0.043	0.046
	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005
	0.012	0.013	0.015	0.016	0.017	0.017	0.019	0.02	0.021	0.022	0.022	0.024	0.027
	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003

	Rail transport eqpt mechanics&repairers	0	0	0	0	0	0	0	0	0	1	0
	Indust,farm&construc mach mechncs&reprs	21	5	5	0	0	0	0	7	27	60	33
	Business&commercial mach mechncs&reprs	1	1	1	0	0	0	0	1	2	3	1
	Inspecting & rltd:eqpt repair, nec	0	0	0	0	0	0	0	0	0	0	0
	Watch & clock repairers	0	0	1	0	0	0	0	0	0	1	0
	Precision instrument mechncs&repairers	0	1	1	0	0	0	0	0	0	1	1
	Oth mechanics & repairers, nec	2	1	2	0	0	0	0	1	3	6	4
	Other Product Fabricating, Assembling &	4	2	3	0	0	1	1	2	6	10	6
	Repairing Occupations	0	0	0								
	Foremn/wmn:oth prod fabric,assmbl&repr	1	0	0	0	0	0	0	0	1	2	1
	Jewellery&silverware fabric,assmbl&repr	0	0	0	0	0	0	0	0	0	1	0
	Marine craft fabric, assembl&repair	1	0	0	0	0	0	0	0	1	1	1
	Paper product fabricating & assembling	0	0	0	0	0	0	0	0	1	1	0
	Painting & decorating, nec	1	1	2	0	0	0	0	1	1	2	1
	Inspct&rltd:oth prod fabric,assmbl&repr	0	0	0	0	0	0	0	0	0	0	0
	Labour:oth prod fabricat,assembl&repair	0	0	0	0	0	0	0	0	0	0	0
	Oth prod fabricat, assmbl & repair, nec	1	0	0	0	0	0	0	0	1	2	1
Constructic	CONSTRUCTION TRADES	1091	150	77	0	0	2	2	367	1390	3118	1664
	Excavating, Grading, Paving &	113	21	16	0	0	0	1	38	143	320	173
	Related Occupations	0	0	0								
	Foremn/wn:Excavating,grading,pav&rltd	18	3	3	0	0	0	0	6	23	51	28
	Excavating, grading & rltd	62	13	10	0	0	0	0	21	79	178	96
	Paving, surfacing & rltd	14	2	1	0	0	0	0	5	17	39	21
	Railway section & track workers	0	0	0	0	0	0	0	0	0	1	0
	Labour:excavat,grading,paving&rltd act	11	2	2	0	0	0	0	4	15	32	17
	Excavating,grading,pav&rltd occs, nec	7	1	1	0	0	0	0	2	9	19	10
	Electrical Power, Lighting & Wire	116	17	10	0	0	0	0	39	149	332	177
	Communications Equipment Erecting,	0	0	0								
	Installing & Repairing Occupations	0	0	0								
	Foremn/wmn:elec pwr,erect,install&repr	15	2	1	0	0	0	0	5	20	44	23
	Electrical power line workers & rltd	4	1	1	0	0	0	0	1	6	12	7

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	7	6	5	4	5	5	5	5	5	5	5	5	6	6	6	6	6	0.017	0.004
0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	0.002	0.001
2	2	2	2	2	2	2	3	3	3	3	3	4	4	4	4	4	4	0.002	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0.001	0
160	211	176	126	78	64	66	69	72	74	76	78	80	81	82	83	86	89	1.043	0.027
22	27	24	19	14	13	14	14	15	15	15	16	16	16	17	17	17	18	0.106	0.007
4	4	4	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	0.014	0.002
13	16	14	11	9	9	9	9	9	9	9	10	10	10	10	10	10	10	0.047	0.007
2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.01	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	3	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	0.009	0.001
1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.005	0.001
18	24	20	15	10	8	9	9	10	10	10	10	11	11	11	11	11	11	0.11	0.004
2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.011	0
1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0.003	0

0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0.007	0.027	0.06	0.033	0.005	0.007	0.006	0.005	0.004
0	0	0	0	0.001	0.002	0.003	0.001	0	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0.001	0.003	0.006	0.004	0.001	0.001	0.001	0.001	0.001
0	0	0.001	0.001	0.002	0.006	0.01	0.006	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0	0	0	0	0	0
0	0	0	0	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0.002	0.002	0.367	1.39	3.118	1.664	0.16	0.211	0.176	0.126	0.078
0	0	0	0.001	0.038	0.143	0.32	0.173	0.022	0.027	0.024	0.019	0.014
0	0	0	0	0.006	0.023	0.051	0.028	0.004	0.004	0.004	0.003	0.002
0	0	0	0	0.021	0.079	0.178	0.096	0.013	0.016	0.014	0.011	0.009
0	0	0	0	0.005	0.017	0.039	0.021	0.002	0.003	0.002	0.001	0.001
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0.004	0.015	0.032	0.017	0.002	0.003	0.002	0.002	0.001
0	0	0	0	0.002	0.009	0.019	0.01	0.001	0.002	0.001	0.001	0.001
0	0	0	0	0.039	0.149	0.332	0.177	0.018	0.024	0.02	0.015	0.01
0	0	0	0	0.005	0.02	0.044	0.023	0.002	0.003	0.002	0.002	0.001
0	0	0	0	0.001	0.006	0.012	0.007	0.001	0.001	0.001	0.001	0

0	0	0	0	0	0	0	0	0	0	0	0	0
0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001
0.064	0.066	0.069	0.072	0.074	0.076	0.078	0.08	0.081	0.082	0.083	0.086	0.089
0.013	0.014	0.014	0.015	0.015	0.015	0.016	0.016	0.016	0.017	0.017	0.017	0.018
0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
0.009	0.009	0.009	0.009	0.009	0.009	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.008	0.009	0.009	0.01	0.01	0.01	0.01	0.011	0.011	0.011	0.011	0.011	0.011
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

Construction electricians & repairers	88	12	6	0	0	0	0	29	111	251	134
Wire communicatn&rltd eqpt install&repr	7	2	2	0	0	0	0	2	9	18	10
Insp&rltd:elec pow,erect,install&repr	1	0	0	0	0	0	0	0	1	2	1
Labour:elec power, erect,install&repair	1	0	0	0	0	0	0	0	1	3	1
Elec pow&wire comms eqpt erect&rltd,nec	1	0	0	0	0	0	0	0	1	3	1

Yukon Occupation Impact Debt	**2002-07**	**2008-12 Average Impact (Employed)**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
Other Construction Trades Occupations	862	112	51	0	0	1	1	289	1099	2466	1314
Foremen/women:oth construction trades	129	16	7	0	0	0	0	43	165	369	197
Carpenters & rltd	230	28	11	0	0	0	0	77	293	657	350
Brick & stone masons & tile setters	47	6	2	0	0	0	0	16	60	135	72
Concrete finishing & rltd	13	2	1	0	0	0	0	4	16	37	20
Plasterers & rltd	43	5	2	0	0	0	0	14	55	123	65
Painters, paperhangers & rltd	74	9	4	0	0	0	0	25	95	212	113
Insulating, construction	10	1	1	0	0	0	0	3	13	28	15
Roofing, waterproofing & rltd	33	4	2	0	0	0	0	11	42	94	50
Pipefitting, plumbing & rltd	80	11	6	0	0	0	0	27	102	229	123
Structural metal erectors	9	1	0	0	0	0	0	3	12	27	14
Glaziers	11	2	1	0	0	0	0	4	14	32	17
Inspect,testng,gradng&smplng:oth constr	4	3	3	0	0	0	0	1	4	10	6
Labouring:oth construction trades	115	14	6	0	0	0	0	39	147	329	175
Oth construction trades, nec	64	10	6	0	0	0	0	22	81	182	98
Transport I TRANSPORT EQUIPMENT OPERATING	76	39	44	0	0	6	8	36	108	187	110
Air Transport Operating Occupations	9	9	5	0	0	1	1	4	12	20	16
Foremen/women:Air transport operating	1	1	0	0	0	0	0	0	1	2	1
Air pilots, navigators&flight engineers	5	5	3	0	0	1	1	2	7	11	9
Air transport operating support	2	2	1	0	0	0	0	1	3	5	4
Air transport operating, nec	1	1	1	0	0	0	0	0	1	2	2
Railway Transport Operating Occupations	0	0	0	0	0	0	0	0	0	0	0
Foremn/wmn:Railway transport operating	0	0	0	0	0	0	0	0	0	0	0
Locomotive operating	0	0	0	0	0	0	0	0	0	0	0

13	17	14	10	7	5	6	6	6	6	6	6	7	7	7	7	7	7	0.065	0.003
2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	0.005	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-10	2011-25
				Impact														Average Impact	
120	160	133	93	54	42	43	46	48	49	50	52	53	54	55	56	57	60	0.826	0.016
17	23	19	13	7	5	6	6	6	6	7	7	7	7	7	7	8	8	0.095	0.002
30	41	34	23	12	9	9	10	10	11	11	11	12	12	12	12	13	13	0.169	0.003
6	8	7	5	2	2	2	2	2	2	2	2	2	2	2	2	2	3	0.035	0.001
2	2	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0.009	0
6	8	6	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0.032	0
10	13	11	8	4	3	3	3	4	4	4	4	4	4	4	4	5	5	0.055	0.001
1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.007	0
4	6	5	3	2	1	1	1	1	1	1	2	2	2	2	2	2	2	0.024	0
12	16	13	10	6	5	6	6	6	6	6	6	6	6	7	7	7	7	0.06	0.003
1	2	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0.007	0
2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.008	0
2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0.003	0.003
15	21	17	12	6	5	5	5	5	6	6	6	6	6	6	6	7	7	0.085	0.002
10	13	11	8	6	5	5	5	5	6	6	6	6	6	6	6	7	7	0.048	0.003
50	49	42	29	25	26	29	34	37	40	43	47	50	53	53	53	54	56	0.038	0.004
14	13	10	5	3	2	2	3	4	4	5	6	6	7	7	6	6	5	0	0
1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0.001	0
8	7	5	3	2	1	1	2	2	2	3	3	3	4	4	3	3	3	0.006	0.003
4	3	3	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	0.003	0.001
1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0.029	0.111	0.251	0.134	0.013	0.017	0.014	0.01	0.007
0	0	0	0	0.002	0.009	0.018	0.01	0.002	0.002	0.002	0.001	0.001
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.003	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.003	0.001	0	0	0	0	0
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0.001	0.001	0.289	1.099	2.466	1.314	0.12	0.16	0.133	0.093	0.054
0	0	0	0	0.043	0.165	0.369	0.197	0.017	0.023	0.019	0.013	0.007
0	0	0	0	0.077	0.293	0.657	0.35	0.03	0.041	0.034	0.023	0.012
0	0	0	0	0.016	0.06	0.135	0.072	0.006	0.008	0.007	0.005	0.002
0	0	0	0	0.004	0.016	0.037	0.02	0.002	0.002	0.002	0.001	0.001
0	0	0	0	0.014	0.055	0.123	0.065	0.006	0.008	0.006	0.004	0.002
0	0	0	0	0.025	0.095	0.212	0.113	0.01	0.013	0.011	0.008	0.004
0	0	0	0	0.003	0.013	0.028	0.015	0.001	0.002	0.002	0.001	0.001
0	0	0	0	0.011	0.042	0.094	0.05	0.004	0.006	0.005	0.003	0.002
0	0	0	0	0.027	0.102	0.229	0.123	0.012	0.016	0.013	0.01	0.006
0	0	0	0	0.003	0.012	0.027	0.014	0.001	0.002	0.001	0.001	0
0	0	0	0	0.004	0.014	0.032	0.017	0.002	0.002	0.002	0.001	0.001
0	0	0	0	0.001	0.004	0.01	0.006	0.002	0.003	0.003	0.003	0.003
0	0	0	0	0.039	0.147	0.329	0.175	0.015	0.021	0.017	0.012	0.006
0	0	0	0	0.022	0.081	0.182	0.098	0.01	0.013	0.011	0.008	0.006
0	0	0.006	0.008	0.036	0.108	0.187	0.11	0.05	0.049	0.042	0.029	0.025
0	0	0.001	0.001	0.004	0.012	0.02	0.016	0.014	0.013	0.01	0.005	0.003
0	0	0	0	0	0.001	0.002	0.001	0.001	0.001	0.001	0	0
0	0	0.001	0.001	0.002	0.007	0.011	0.009	0.008	0.007	0.005	0.003	0.002
0	0	0	0	0.001	0.003	0.005	0.004	0.004	0.003	0.003	0.001	0.001
0	0	0	0	0	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007
0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

act

2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
0.042	0.043	0.046	0.048	0.049	0.05	0.052	0.053	0.054	0.055	0.056	0.057	0.06
0.005	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.008	0.008
0.009	0.009	0.01	0.01	0.011	0.011	0.011	0.012	0.012	0.012	0.012	0.013	0.013
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003
0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007
0	0	0	0	0	0	0	0	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007
0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007
0.026	0.029	0.034	0.037	0.04	0.043	0.047	0.05	0.053	0.053	0.053	0.054	0.056
0.002	0.002	0.003	0.004	0.004	0.005	0.006	0.006	0.007	0.007	0.006	0.006	0.005
0	0	0	0	0	0	0	0.001	0.001	0.001	0.001	0	0
0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.003	0.004	0.004	0.003	0.003	0.003
0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.001	0.001
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

Conductors & brake workers, railway	0	0	0	0	0	0	0	0	0	0	0
Railway transport operating support	0	0	0	0	0	0	0	0	0	0	0
Railway transport operating, nec	0	0	0	0	0	0	0	0	0	0	0
Water Transport Operating Occupations	1	0	1	0	0	0	0	0	1	2	1
Deck officers	0	0	0	0	0	0	0	0	1	1	0
Engineering officers, ship	0	0	0	0	0	0	0	0	0	0	0
Deck crew, ship	0	0	0	0	0	0	0	0	0	1	0
Engine & boiler-room crew, ship	0	0	0	0	0	0	0	0	0	0	0
Water transport operating, nec	0	0	0	0	0	0	0	0	0	0	0
Motor Transport Operating Occupations	65	29	38	0	0	5	6	31	93	164	92
Foremen/women:Motor transport operating	2	1	2	0	0	0	0	1	3	5	3
Bus drivers	8	9	12	0	0	1	1	4	12	17	12
Taxi drivers & chauffeurs	4	5	7	0	0	1	1	2	6	9	7
Truck drivers	49	13	16	0	0	3	3	22	69	128	68
Motor transport operating, nec	2	1	2	0	0	0	0	1	3	4	2

Yukon Occupation Impact Debt	**2002-07**	**2008-12 Average Impact** (Employed)	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
Other Transport Equipment	1	0	1	0	0	0	0	0	1	2	1
Operating Occupations	0	0	0								
Foremn/wmn:oth transport eqpt operating	0	0	0	0	0	0	0	0	0	0	0
Subway & street railway operating	0	0	0	0	0	0	0	0	0	0	0
Rail vehicle oper, ex rail transport	0	0	0	0	0	0	0	0	0	0	0
Oth transport eqpt operating, nec	1	0	0	0	0	0	0	0	1	1	1
Material H MATERIAL HANDLING & RELATED, N.E.C.	23	9	12	0	0	2	2	10	32	60	34
Foremen/women:mat handling&rltd,nec	1	1	1	0	0	0	0	1	2	3	2
Hoisting, nec	9	1	1	0	0	0	0	3	11	24	13
Longshore wkr,stevedore,freight handlrs	3	2	2	0	0	0	0	2	5	8	5
Parcel carriers, nec	0	0	0	0	0	0	0	0	0	0	0
Material handling eqpt operators, nec	4	1	1	0	0	0	0	2	5	11	6

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	35	31	23	21	23	26	30	33	34	37	40	43	45	45	45	47	49	0.037	0.004
1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	0.002	0.001
11	10	9	7	7	8	8	9	10	11	12	13	14	14	15	15	16	17	0.009	0.012
6	6	5	4	4	4	4	5	6	6	6	7	7	8	8	8	8	9	0.005	0.006
15	16	14	10	9	10	11	13	14	15	16	17	18	19	19	19	19	20	0.037	0.011
1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	0.002	0.001
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2002-10**	**2011-25**
				Impact														**Average Impact**	
1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	11	10	8	7	8	9	10	11	11	12	13	14	14	14	14	14	15	0.016	0.002
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
1	2	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0.006	0
3	3	2	2	1	1	2	2	2	2	2	3	3	3	3	3	3	3	0.003	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.003	0.001

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.005	0.006	0.031	0.093	0.164	0.092	0.035	0.035	0.031	0.023	0.021
0	0	0	0	0.001	0.003	0.005	0.003	0.001	0.001	0.001	0.001	0.001
0	0	0.001	0.001	0.004	0.012	0.017	0.012	0.011	0.01	0.009	0.007	0.007
0	0	0.001	0.001	0.002	0.006	0.009	0.007	0.006	0.006	0.005	0.004	0.004
0	0	0.003	0.003	0.022	0.069	0.128	0.068	0.015	0.016	0.014	0.01	0.009
0	0	0	0	0.001	0.003	0.004	0.002	0.001	0.001	0.001	0.001	0.001
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0	0	0	0.001	0.002	0.001	0.001	0.001	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0.002	0.002	0.01	0.032	0.06	0.034	0.011	0.011	0.01	0.008	0.007
0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0.003	0.011	0.024	0.013	0.001	0.002	0.001	0.001	0
0	0	0	0	0.002	0.005	0.008	0.005	0.003	0.003	0.002	0.002	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.002	0.005	0.011	0.006	0.001	0.001	0.001	0.001	0.001

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.023	0.026	0.03	0.033	0.034	0.037	0.04	0.043	0.045	0.045	0.045	0.047	0.049
0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.008	0.008	0.009	0.01	0.011	0.012	0.013	0.014	0.014	0.015	0.015	0.016	0.017
0.004	0.004	0.005	0.006	0.006	0.006	0.007	0.007	0.008	0.008	0.008	0.008	0.009
0.01	0.011	0.013	0.014	0.015	0.016	0.017	0.018	0.019	0.019	0.019	0.019	0.02
0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002

act

2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.008	0.009	0.01	0.011	0.011	0.012	0.013	0.014	0.014	0.014	0.014	0.014	0.015
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

	Packaging, nec	3	2	4	0	0	1	1	2	5	6	4
	Labouring:mat handling&rltd act,nec	3	2	2	0	0	0	0	2	4	7	4
	Oth material handling & rltd occs, nec	0	0	0	0	0	0	0	0	0	1	0
	OTHER CRAFTS & EQUIPMENT											
Other Craft	OPERATING	25	23	33	0	0	3	4	13	36	61	35
	Printing & Related Occupations	14	5	10	0	0	3	3	9	23	30	14
	Foremen/women:Printing & rltd	1	0	1	0	0	0	0	1	2	3	1
	Typesetting & composing	2	1	1	0	0	0	0	1	3	4	2
	Printing press	5	2	3	0	0	1	1	3	8	11	5
	Stereotyping & electrotyping	0	0	0	0	0	0	0	0	0	0	0
	Printing engraving, except photoengrav	1	0	1	0	0	0	0	0	1	1	1
	Photoengraving & rltd	0	0	0	0	0	0	0	0	1	1	0
	Bookbinding & rltd	2	1	2	0	0	0	0	1	3	4	2
	Labouring:Printing & rltd activities	1	0	1	0	0	0	0	1	1	2	1
	Printing & rltd, nec	2	1	2	0	0	0	1	1	4	5	2
	Stationary Engine & Utilities Equipment	10	17	21	0	0	0	0	3	10	25	19
	Operating & Related Occupations	0	0	0								
	Foremn/wmn:Stationary eng&util eqpt opr	2	2	3	0	0	0	0	1	2	5	3
	Power station operators	1	1	1	0	0	0	0	0	1	2	1
	Stationary eng&utility eqpt op&rltd,nec	7	14	17	0	0	0	0	2	7	19	14
	Electronic & Related Communications	1	1	1	0	0	0	0	0	1	2	1
	Equipment Operating Occupations, NEC	0	0	0								
	Foremn/wmn:elect&rltd comms eqpt op,nec	0	0	0	0	0	0	0	0	0	0	0
	Radio & tv broadcasting eqpt operators	1	0	0	0	0	0	0	0	1	1	1
	Telegraph operators	0	0	0	0	0	0	0	0	0	0	0
	Sound&video recording&reprod eqpt oper	0	0	0	0	0	0	0	0	0	0	0
	Motion picture projectionists	0	0	0	0	0	0	0	0	0	0	0
	Oth electronic&rltd comm eqpt oper, nec	0	0	0	0	0	0	0	0	0	0	0
	Other Crafts & Equipment Operating	2	1	2	0	0	0	0	1	3	3	2
	Occupations, NEC	0	0	0								

3	2	2	2	2	2	3	3	4	4	4	5	5	5	5	5	5	6	0.002	0.002
2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	24	24	22	23	26	29	31	32	32	33	34	35	36	35	35	34	35	0.011	0.017
6	7	6	3	3	5	7	8	9	10	10	11	12	12	12	11	11	11	0	0
1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
1	1	1	0	0	1	1	1	1	1	1	1	2	2	2	1	1	1	0.001	0.001
2	2	2	1	1	2	2	3	3	3	3	4	4	4	4	4	4	4	0.004	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	0.002	0.001
0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0.001	0
1	1	1	0	0	1	1	1	1	2	2	2	2	2	2	2	2	2	0.002	0.001
14	15	17	18	19	20	20	20	20	21	21	21	21	21	21	21	21	21	0.01	0.016
2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0.002	0.002
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
11	13	14	15	16	17	17	17	17	17	17	17	17	17	17	17	17	17	0.008	0.014
1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	0	0

0	0	0.001	0.001	0.002	0.005	0.006	0.004	0.003	0.002	0.002	0.002	0.002
0	0	0	0	0.002	0.004	0.007	0.004	0.002	0.002	0.002	0.001	0.001
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0.003	0.004	0.013	0.036	0.061	0.035	0.022	0.024	0.024	0.022	0.023
0	0	0.003	0.003	0.009	0.023	0.03	0.014	0.006	0.007	0.006	0.003	0.003
0	0	0	0	0.001	0.002	0.003	0.001	0.001	0.001	0	0	0
0	0	0	0	0.001	0.003	0.004	0.002	0.001	0.001	0.001	0	0
0	0	0.001	0.001	0.003	0.008	0.011	0.005	0.002	0.002	0.002	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0	0	0	0	0	0
0	0	0	0	0.001	0.003	0.004	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0.001	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0.001	0.001	0.004	0.005	0.002	0.001	0.001	0.001	0	0
0	0	0	0	0.003	0.01	0.025	0.019	0.014	0.015	0.017	0.018	0.019
0	0	0	0	0.001	0.002	0.005	0.003	0.002	0.002	0.002	0.003	0.003
0	0	0	0	0	0.001	0.002	0.001	0	0.001	0.001	0.001	0.001
0	0	0	0	0.002	0.007	0.019	0.014	0.011	0.013	0.014	0.015	0.016
0	0	0	0	0	0.001	0.002	0.001	0.001	0.001	0.001	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.003	0.003	0.002	0.001	0.001	0.001	0.001	0.001

0.002	0.003	0.003	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.006
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0.026	0.029	0.031	0.032	0.032	0.033	0.034	0.035	0.036	0.035	0.035	0.034	0.035
0.005	0.007	0.008	0.009	0.01	0.01	0.011	0.012	0.012	0.012	0.011	0.011	0.011
0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.001	0.001	0.001
0.002	0.002	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.02	0.02	0.02	0.02	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021
0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002

Foremen/women:Oth crafts&eqpt oper, nec	0	0	0	0	0	0	0	0	0	0	0
Photographic processing	1	1	1	0	0	0	0	1	2	3	2
Oth crafts & eqpt operating occs, nec	0	0	0	0	0	0	0	0	0	0	0

	Yukon Occupation Impact Debt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
			Average Impact (Employed)									
N.E.C.	OCCUPATIONS NEC	55	17	19	0	0	2	2	21	72	152	83
	Supervisors & foremen/women, nec	3	1	1	0	0	0	0	1	3	7	4
	Inspecting,testing,grading&sampling,nec	0	0	0	0	0	0	0	0	0	0	0
	Labouring & oth elemental work, nec	41	10	11	0	0	1	1	15	54	115	62
	Oth occupations, nec	11	5	7	0	0	1	1	4	14	29	16

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2002-10**	**2011-25**
				Impact														**Average Impact**	
17	20	18	15	13	14	15	17	18	18	19	20	21	21	21	21	21	21	0.047	0.008
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.002	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	12	11	9	7	8	8	9	10	10	11	11	12	12	12	12	12	12	0.032	0.008
5	6	5	5	5	5	6	6	6	7	7	7	7	8	8	8	7	8	0.009	0.005

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0

2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0.002	0.002	0.021	0.072	0.152	0.083	0.017	0.02	0.018	0.015	0.013
0	0	0	0	0.001	0.003	0.007	0.004	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.001	0.001	0.015	0.054	0.115	0.062	0.011	0.012	0.011	0.009	0.007
0	0	0.001	0.001	0.004	0.014	0.029	0.016	0.005	0.006	0.005	0.005	0.005

	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002
	0	0	0	0	0	0	0	0	0	0	0	0	0
act	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
	0.014	0.015	0.017	0.018	0.018	0.019	0.02	0.021	0.021	0.021	0.021	0.021	0.021
	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.008	0.008	0.009	0.01	0.01	0.011	0.011	0.012	0.012	0.012	0.012	0.012	0.012
	0.005	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.007	0.008

Yukon

Employm

Standard Occ

Thousands

	Yukon Occupation Impact Debt	2002-07	2008-12 Average Impact (Employed)	2013-25	2000	2001	2002	2003	2004	2005	2006	2007
Total	TOTAL	3271	1698	1527	0	0	224	364	1321	4169	8259	5291
Managerial	MANAGERIAL, ADMINISTRATIVE & RELATED	366	174	106	0	0	32	50	154	470	908	581
	Officials & Administrators	1	1	0	0	0	0	0	0	1	1	1
	Unique to Government	0	0	0								
	Gov't administrators	0	0	0	0	0	0	0	0	0	0	0
	Post office mgmt	0	0	0	0	0	0	0	0	0	0	0
	Inspectors & regulatory officers, gov't	0	0	0	0	0	0	0	0	0	0	0
	Officials & admin unique to gov't, nec	0	0	0	0	0	0	0	0	0	0	0
	Other Managers & Administrators	268	153	133	0	0	20	33	111	343	665	438
	General mgrs & oth senior officials	44	16	6	0	0	3	4	18	57	113	69
	Mgmt occs, nat sciences & engineering	4	1	-2	0	0	1	1	2	5	10	6
	Mgmt occs, soc sciences & rltd fields	0	0	0	0	0	0	0	0	0	0	0
	Administrators in teaching&rltd fields	0	0	0	0	0	0	0	0	0	1	0
	Administrators in medicine & health	0	0	0	0	0	0	0	0	0	0	0
	Financial mgmt	9	5	1	0	0	1	2	4	11	20	13
	Personnel & indust relations mgmt occs	6	4	2	0	0	1	1	2	7	13	9
	Sales & advertising mgmt	49	57	72	0	0	6	11	23	61	104	89
	Purchasing mgmt	2	2	2	0	0	0	0	1	3	6	4
	Services mgmt	26	24	27	0	0	3	6	13	33	55	45
	Production mgmt	10	4	2	0	0	1	1	4	12	24	15
	Mgmt, construction operations	61	10	5	0	0	0	0	21	78	172	93
	Farm mgmt	0	0	0	0	0	0	0	0	0	0	0
	Mgmt occs, transport&communic operation	5	7	6	0	0	0	1	2	5	10	9

pation
assification

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025		
				Impact															
1917	1899	1821	1482	1372	1199	1208	1254	1319	1359	1439	1542	1662	1762	1839	1703	1803	1765	1.869	0.242
215	206	188	139	121	100	98	100	104	105	110	118	127	131	131	93	95	71	0.184	0.035
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	173	164	132	121	108	108	112	117	120	127	135	146	154	160	145	152	146	0.143	0.022
20	19	18	13	11	8	7	7	8	7	8	8	8	8	8	3	2	-1	0.027	0.01
2	1	1	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-3	-3	-4	0.003	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	6	5	3	3	2	2	2	2	1	1	1	1	1	0	-1	-2	-3	0.005	0.003
4	4	4	3	3	2	2	2	2	2	2	2	2	2	2	1	1	0	0.003	0.003
61	62	60	53	51	52	53	55	58	60	64	69	75	81	87	87	95	101	0.019	0.011
2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	0.002	0.001
30	28	25	20	19	19	19	20	22	23	24	26	29	31	33	34	36	37	0.004	0.003
5	5	5	3	3	2	2	2	2	2	2	2	2	2	2	1	0	-1	0.006	0.003
8	10	12	10	9	4	4	4	4	4	5	5	5	6	6	6	7	7	0.043	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	8	7	6	5	5	5	5	5	5	6	6	6	6	6	6	6	6	0.003	0.004

0	0	0.224	0.364	1.321	4.169	8.259	5.291	1.917	1.899	1.821	1.482	1.372
0	0	0.032	0.05	0.154	0.47	0.908	0.581	0.215	0.206	0.188	0.139	0.121
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.02	0.033	0.111	0.343	0.665	0.438	0.175	0.173	0.164	0.132	0.121
0	0	0.003	0.004	0.018	0.057	0.113	0.069	0.02	0.019	0.018	0.013	0.011
0	0	0.001	0.001	0.002	0.005	0.01	0.006	0.002	0.001	0.001	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.001	0.002	0.004	0.011	0.02	0.013	0.006	0.006	0.005	0.003	0.003
0	0	0.001	0.001	0.002	0.007	0.013	0.009	0.004	0.004	0.004	0.003	0.003
0	0	0.006	0.011	0.023	0.061	0.104	0.089	0.061	0.062	0.06	0.053	0.051
0	0	0	0	0.001	0.003	0.006	0.004	0.002	0.002	0.002	0.002	0.001
0	0	0.003	0.006	0.013	0.033	0.055	0.045	0.03	0.028	0.025	0.02	0.019
0	0	0.001	0.001	0.004	0.012	0.024	0.015	0.005	0.005	0.005	0.003	0.003
0	0	0	0	0.021	0.078	0.172	0.093	0.008	0.01	0.012	0.01	0.009
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0.001	0.002	0.005	0.01	0.009	0.008	0.008	0.007	0.006	0.005

1.199	1.208	1.254	1.319	1.359	1.439	1.542	1.662	1.762	1.839	1.703	1.803	1.765
0.1	0.098	0.1	0.104	0.105	0.11	0.118	0.127	0.131	0.131	0.093	0.095	0.071
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.108	0.108	0.112	0.117	0.12	0.127	0.135	0.146	0.154	0.16	0.145	0.152	0.146
0.008	0.007	0.007	0.008	0.007	0.008	0.008	0.008	0.008	0.008	0.003	0.002	-0.001
-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	-0.003	-0.003	-0.004
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0	-0.001	-0.002	-0.003
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0
0.052	0.053	0.055	0.058	0.06	0.064	0.069	0.075	0.081	0.087	0.087	0.095	0.101
0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.019	0.019	0.02	0.022	0.023	0.024	0.026	0.029	0.031	0.033	0.034	0.036	0.037
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0	-0.001
0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.007	0.007
0	0	0	0	0	0	0	0	0	0	0	0	0
0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006

Oths managers	54	23	12	0	0	4	6	22	69	136	85
Occupations Related to Management &	97	20	-27	0	0	12	17	42	126	242	143
Administration	0	0	0								
Accountants, auditors&oth fin officers	70	10	-15	0	0	9	13	30	89	175	101
Organization & methods analysts	4	0	-5	0	0	0	1	2	5	8	5
Personnel & rltd officers	5	2	-3	0	0	0	1	2	6	11	7
Purchasing officers & buyers,	3	1	1	0	0	0	0	1	4	7	4
ex w/sale & retail trade	0	0	0								
Inspectors & regulatory officers, nec	2	1	0	0	0	0	0	1	3	6	4
Occs rltd to mgmt & administration, nec	15	6	-4	0	0	1	2	7	19	35	23

	Yukon Occupation Impact Debt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
			Average Impact									
			(Employed)									
Nat. Scien	NATURAL SCIENCES, ENGINEERING &	132	27	-51	0	0	19	26	57	168	328	192
	MATHEMATICS	0	0	0								
	Occupations in Physical Sciences	6	0	-2	0	0	1	2	3	8	14	8
	Chemists	1	0	0	0	0	0	0	0	1	2	1
	Geologists	2	0	-1	0	0	0	1	1	2	4	2
	Physicists	0	0	0	0	0	0	0	0	0	1	0
	Meteorologists	0	0	0	0	0	0	0	0	0	0	0
	Phys science technologists&technicians	3	1	0	0	0	1	1	1	3	7	4
	Physical sciences, nec	0	0	0	0	0	0	0	0	0	1	0
	Occupations in Life Sciences	2	0	-1	0	0	0	1	1	3	6	3
	Agriculturists & rltd scientists	1	0	0	0	0	0	0	0	1	2	1
	Biologists & rltd scientists	1	0	0	0	0	0	0	0	1	2	1
	Life science technologists&technicians	1	0	0	0	0	0	0	0	1	2	1
	Life sciences, nec	0	0	0	0	0	0	0	0	0	1	0
	Architects, Engineers & Community	59	11	-10	0	0	9	11	25	73	149	86
	Planners	0	0	0								
	Architects	7	-1	-4	0	0	1	2	3	8	16	9
	Chemical engineers	1	1	0	0	0	0	0	1	2	3	2
	Civil engineers	22	4	-2	0	0	3	3	9	27	57	32

28	28	26	19	16	13	13	13	13	13	13	14	15	15	14	9	8	3	0.033	0.016
39	33	24	6	-1	-8	-11	-12	-13	-16	-17	-18	-19	-23	-30	-53	-57	-76	0.04	0.011
23	18	12	2	-3	-7	-8	-9	-9	-10	-10	-10	-10	-12	-15	-29	-28	-38	0.044	0.013
1	1	0	-1	-2	-2	-3	-3	-3	-3	-4	-4	-5	-5	-6	-8	-10	-12	0.002	0.003
3	3	2	1	0	-1	-1	-1	-1	-1	-2	-2	-2	-3	-3	-5	-6	-8	0.003	0.003
1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0.002	0.001
2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	-1	-1	-2	0.001	0.001
9	8	7	3	2	1	0	0	-1	-1	-1	-2	-2	-3	-5	-9	-12	-16	0.009	0.008

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-10	2011-25
				Impact														Average Impact	
54	45	32	7	-4	-12	-17	-20	-23	-27	-31	-34	-38	-46	-60	-100	-109	-144	0.051	0.032
2	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-2	-4	-3	-5	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0.001	0
0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-2	0.002	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-1	-2	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	18	13	4	1	-2	-3	-4	-4	-5	-5	-6	-6	-8	-11	-24	-23	-33	0.024	0.013
1	0	-1	-2	-3	-3	-3	-3	-3	-4	-4	-4	-4	-4	-4	-6	-6	-7	0.004	0.001
1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0.001	0.001
6	5	4	2	1	0	-1	-1	-1	-1	-1	-1	-1	-1	-2	-5	-5	-7	0.015	0.005

0	0	0.004	0.006	0.022	0.069	0.136	0.085	0.028	0.028	0.026	0.019	0.016
0	0	0.012	0.017	0.042	0.126	0.242	0.143	0.039	0.033	0.024	0.006	-0.001
0	0	0.009	0.013	0.03	0.089	0.175	0.101	0.023	0.018	0.012	0.002	-0.003
0	0	0	0.001	0.002	0.005	0.008	0.005	0.001	0.001	0	-0.001	-0.002
0	0	0	0.001	0.002	0.006	0.011	0.007	0.003	0.003	0.002	0.001	0
0	0	0	0	0.001	0.004	0.007	0.004	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0.001	0.003	0.006	0.004	0.002	0.001	0.001	0.001	0.001
0	0	0.001	0.002	0.007	0.019	0.035	0.023	0.009	0.008	0.007	0.003	0.002
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0.019	0.026	0.057	0.168	0.328	0.192	0.054	0.045	0.032	0.007	-0.004
0	0	0.001	0.002	0.003	0.008	0.014	0.008	0.002	0.001	0.001	-0.001	-0.001
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0.001	0.001	0.002	0.004	0.002	0	0	0	0	-0.001
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.001	0.001	0.001	0.003	0.007	0.004	0.001	0.001	0.001	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0.001	0.001	0.003	0.006	0.003	0.001	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0.009	0.011	0.025	0.073	0.149	0.086	0.021	0.018	0.013	0.004	0.001
0	0	0.001	0.002	0.003	0.008	0.016	0.009	0.001	0	-0.001	-0.002	-0.003
0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0.003	0.003	0.009	0.027	0.057	0.032	0.006	0.005	0.004	0.002	0.001

0.013	0.013	0.013	0.013	0.013	0.013	0.014	0.015	0.015	0.014	0.009	0.008	0.003
-0.008	-0.011	-0.012	-0.013	-0.016	-0.017	-0.018	-0.019	-0.023	-0.03	-0.053	-0.057	-0.076
-0.007	-0.008	-0.009	-0.009	-0.01	-0.01	-0.01	-0.01	-0.012	-0.015	-0.029	-0.028	-0.038
-0.002	-0.003	-0.003	-0.003	-0.003	-0.004	-0.004	-0.005	-0.005	-0.006	-0.008	-0.01	-0.012
-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	-0.002	-0.002	-0.003	-0.003	-0.005	-0.006	-0.008
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	0	0	0
0	0	0	0	0	0	0	0	0	0	-0.001	-0.001	-0.002
0.001	0	0	-0.001	-0.001	-0.001	-0.002	-0.002	-0.003	-0.005	-0.009	-0.012	-0.016

2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
act												
-0.012	-0.017	-0.02	-0.023	-0.027	-0.031	-0.034	-0.038	-0.046	-0.06	-0.1	-0.109	-0.144
-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	-0.002	-0.004	-0.003	-0.005
0	0	0	0	0	0	0	0	0	0	0	0	-0.001
-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	-0.001	-0.001	-0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	-0.001	-0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	-0.001	-0.001	-0.001	-0.001	-0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
-0.002	-0.003	-0.004	-0.004	-0.005	-0.005	-0.006	-0.006	-0.008	-0.011	-0.024	-0.023	-0.033
-0.003	-0.003	-0.003	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.006	-0.006	-0.007
0.001	0.001	0.001	0.001	0.001	0	0	0	0	0	0	0	0
0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	-0.005	-0.005	-0.007

Electrical engineers	8	2	-2	0	0	1	2	3	10	20	12
Industrial engineers	3	2	1	0	0	0	1	1	4	8	5
Agricultural engineers	0	0	0	0	0	0	0	0	0	1	0
Mechanical engineers	6	1	-2	0	0	1	1	3	8	16	9
Metallurgical engineers	0	0	0	0	0	0	0	0	0	1	0
Mining engineers	1	0	0	0	0	0	0	0	1	1	1
Petroleum engineers	1	3	3	0	0	0	0	0	1	3	2
Aerospace engineers	1	1	1	0	0	0	0	0	1	2	2
Nuclear engineers	0	0	0	0	0	0	0	0	0	1	0
Community planners	4	0	-3	0	0	0	1	2	5	10	5
Professional engineers, nec	4	0	-2	0	0	1	1	2	5	10	5
Other Occupations in Architecture &	43	12	-1	0	0	5	7	17	53	110	64
Engineering	0	0	0								
Supervisors:oth occs in arch & engineer	2	0	0	0	0	0	0	1	2	4	2
Surveyors	8	1	-2	0	0	1	1	3	11	22	12
Draughting	14	1	-4	0	0	2	3	6	17	35	20
Architectural technologist & technician	1	0	0	0	0	0	0	1	2	3	2
Engineering technologists & technicians	16	8	5	0	0	1	2	6	19	41	25
Oth occs in architecture&engineer, nec	2	1	0	0	0	0	0	1	2	5	3
Occupations in Mathematics, Statistics,	21	3	-37	0	0	3	5	11	30	49	30
Systems Analysis & Related Fields	0	0	0								
Mathematician, statistician & actuaries	1	1	-1	0	0	0	0	0	1	2	1
Systems analysts, computer programmers	21	3	-36	0	0	3	5	11	29	47	29
Occs in math,stats,syst anal etc, nec	0	0	0	0	0	0	0	0	0	0	0

	Yukon Occupation Impact Debt	**2002-07**	**2008-12 Average Impact (Employed)**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
Social Scie	OCCUPATIONS IN SOCIAL SCIENCES & RELATED	40	-2	-27	0	0	9	13	19	51	95	53
	Occupations in Social Sciences	4	1	-4	0	0	0	1	2	5	8	5
	Economists	3	1	-2	0	0	0	1	1	4	6	4
	Sociologists, anthropologists & rltd	0	0	0	0	0	0	0	0	0	0	0

3	3	2	1	0	0	0	-1	-1	-1	-1	-1	-1	-1	-2	-4	-4	-5	0.005	0.003
2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	-1	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	1	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-3	-3	-4	0.004	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0.001	0.003
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	0	-1	-1	-2	-2	-2	-2	-2	-2	-3	-3	-3	-4	-5	-6	-7	0.002	0.001
1	1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-2	-3	-3	-4	0.003	0.001
17	15	13	7	6	3	3	2	2	2	2	2	2	1	-1	-9	-8	-14	0.021	0.011
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	0.001	0.001
2	2	1	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-3	-3	-4	0.006	0.002
4	3	1	-1	-1	-2	-2	-3	-3	-3	-3	-3	-3	-3	-4	-7	-7	-9	0.009	0.003
0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	0.001	0
9	9	9	8	7	7	6	6	6	6	6	6	6	6	5	3	3	1	0.012	0.009
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.001
14	10	6	-4	-9	-12	-14	-17	-19	-22	-25	-28	-32	-37	-45	-61	-73	-90	0.004	0.008
1	1	1	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-2	-2	0.001	0.001
13	10	5	-4	-9	-12	-14	-17	-19	-22	-24	-27	-31	-36	-44	-60	-71	-88	0.012	0.027
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2002-10**	**2011-25**
				Impact														**Average Impact**	
11	6	-1	-11	-15	-17	-18	-19	-20	-21	-21	-22	-22	-24	-28	-43	-42	-53	0.003	0.005
2	2	1	0	-1	-1	-1	-2	-2	-2	-2	-3	-3	-4	-5	-7	-8	-11	0.001	0.002
2	2	1	1	0	0	0	0	-1	-1	-1	-1	-2	-2	-3	-4	-5	-6	0.002	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0.001	0.002	0.003	0.01	0.02	0.012	0.003	0.003	0.002	0.001	0
0	0	0	0.001	0.001	0.004	0.008	0.005	0.002	0.002	0.002	0.001	0.001
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0.001	0.001	0.003	0.008	0.016	0.009	0.002	0.002	0.001	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.003	0.002	0.002	0.002	0.003	0.003	0.003
0	0	0	0	0	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0.001	0.002	0.005	0.01	0.005	0.001	0.001	0	-0.001	-0.001
0	0	0.001	0.001	0.002	0.005	0.01	0.005	0.001	0.001	0	-0.001	-0.001
0	0	0.005	0.007	0.017	0.053	0.11	0.064	0.017	0.015	0.013	0.007	0.006
0	0	0	0	0.001	0.002	0.004	0.002	0.001	0	0	0	0
0	0	0.001	0.001	0.003	0.011	0.022	0.012	0.002	0.002	0.001	0	0
0	0	0.002	0.003	0.006	0.017	0.035	0.02	0.004	0.003	0.001	-0.001	-0.001
0	0	0	0	0.001	0.002	0.003	0.002	0	0	0	0	0
0	0	0.001	0.002	0.006	0.019	0.041	0.025	0.009	0.009	0.009	0.008	0.007
0	0	0	0	0.001	0.002	0.005	0.003	0.001	0.001	0.001	0	0
0	0	0.003	0.005	0.011	0.03	0.049	0.03	0.014	0.01	0.006	-0.004	-0.009
0	0	0	0	0	0.001	0.002	0.001	0.001	0.001	0.001	0	0
0	0	0.003	0.005	0.011	0.029	0.047	0.029	0.013	0.01	0.005	-0.004	-0.009
0	0	0	0	0	0	0	0	0	0	0	0	0
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0.009	0.013	0.019	0.051	0.095	0.053	0.011	0.006	-0.001	-0.011	-0.015
0	0	0	0.001	0.002	0.005	0.008	0.005	0.002	0.002	0.001	0	-0.001
0	0	0	0.001	0.001	0.004	0.006	0.004	0.002	0.002	0.001	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	-0.004	-0.004	-0.005
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	0	-0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	-0.003	-0.004
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	-0.003	-0.003	-0.004	-0.005	-0.006	-0.007
-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	-0.002	-0.003	-0.003	-0.004
0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.001	-0.001	-0.009	-0.008	-0.014
0	0	0	0	0	0	0	0	0	0	-0.001	-0.001	-0.001
-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	-0.003	-0.004
-0.002	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.004	-0.007	-0.007	-0.009
0	0	0	0	0	0	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
0.007	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.003	0.003	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
-0.012	-0.014	-0.017	-0.019	-0.022	-0.025	-0.028	-0.032	-0.037	-0.045	-0.061	-0.073	-0.09
0	0	0	0	0	0	0	0	-0.001	-0.001	-0.001	-0.002	-0.002
-0.012	-0.014	-0.017	-0.019	-0.022	-0.024	-0.027	-0.031	-0.036	-0.044	-0.06	-0.071	-0.088
0	0	0	0	0	0	0	0	0	0	0	0	0

2013	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
-0.017	-0.018	-0.019	-0.02	-0.021	-0.021	-0.022	-0.022	-0.024	-0.028	-0.043	-0.042	-0.053
-0.001	-0.001	-0.002	-0.002	-0.002	-0.002	-0.003	-0.003	-0.004	-0.005	-0.007	-0.008	-0.011
0	0	0	-0.001	-0.001	-0.001	-0.001	-0.002	-0.002	-0.003	-0.004	-0.005	-0.006
0	0	0	0	0	0	0	0	0	0	0	0	0

act

	Psychologists	0	0	0	0	0	0	0	0	0	0	0
	Social sciences, nec	1	0	-2	0	0	0	0	0	1	2	1
	Occupations in Social Work	3	2	1	0	0	0	1	1	3	6	4
	& Related Fields	0	0	0								
	Social workers	1	0	0	0	0	0	0	0	1	1	1
	Welfare & community services	2	2	1	0	0	0	0	1	2	4	3
	Social work & rltd fields, nec	0	0	0	0	0	0	0	0	0	0	0
	Occupations in Law & Jurisprudence	33	-5	-24	0	0	8	11	16	42	78	42
	Judges & magistrates	0	0	0	0	0	0	0	0	0	0	0
	Lawyers & notaries	28	-4	-20	0	0	7	9	13	35	66	35
	Law & jurisprudence, nec	6	-1	-4	0	0	1	2	3	7	13	7
	Occupations in Library, Museum &	1	0	0	0	0	0	0	0	1	2	1
	Archival Sciences	0	0	0								
	Supervisors:library, museum&archiv sci	0	0	0	0	0	0	0	0	0	0	0
	Librarians, archivists & conservators	1	0	0	0	0	0	0	0	1	1	1
	Technicians in lib, museum&archivl sci	0	0	0	0	0	0	0	0	0	0	0
	Library, museum & archival science, nec	0	0	0	0	0	0	0	0	0	0	0
	Other Occupations in Social Sciences	0	0	0	0	0	0	0	0	0	0	0
	& Related Fields	0	0	0								
	Educational & vocational counsellors	0	0	0	0	0	0	0	0	0	0	0
	Oth occs in soc sci& rltd fields, nec	0	0	0	0	0	0	0	0	0	0	0
Religion	RELIGION	0	0	0	0	0	0	0	0	0	0	0
	Ministers of religion	0	0	0	0	0	0	0	0	0	0	0
	Nuns & brothers	0	0	0	0	0	0	0	0	0	0	0
	Religion, nec	0	0	0	0	0	0	0	0	0	0	0
Teaching	TEACHING & RELATED	4	4	2	0	0	0	1	2	5	8	6
	University Teaching & Rltd Occupations	0	0	0	0	0	0	0	0	0	0	0
	University teachers	0	0	0	0	0	0	0	0	0	0	0
	University teaching & rltd, nec	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-2	-3	-3	-4	0	0.001
3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0.001	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.001
2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	0	0
6	1	-5	-13	-16	-17	-18	-19	-19	-20	-20	-20	-20	-22	-24	-36	-34	-41	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	-4	-10	-13	-14	-15	-16	-16	-16	-16	-17	-17	-18	-20	-30	-28	-34	0.017	0.004
1	0	-1	-2	-3	-3	-3	-3	-3	-3	-3	-3	-3	-4	-4	-6	-6	-7	0.003	0.001
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	5	4	3	3	3	2	2	2	2	2	2	2	2	2	1	1	0	0.003	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	-0.001
0	0	0	0.001	0.001	0.003	0.006	0.004	0.003	0.002	0.002	0.001	0.001
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0.001	0.002	0.004	0.003	0.002	0.002	0.002	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.008	0.011	0.016	0.042	0.078	0.042	0.006	0.001	-0.005	-0.013	-0.016
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.007	0.009	0.013	0.035	0.066	0.035	0.005	0.001	-0.004	-0.01	-0.013
0	0	0.001	0.002	0.003	0.007	0.013	0.007	0.001	0	-0.001	-0.002	-0.003
0	0	0	0	0	0.001	0.002	0.001	0.001	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0.001	0.002	0.005	0.008	0.006	0.005	0.005	0.004	0.003	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0
-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	-0.002	-0.003	-0.003	-0.004
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	-0.001	-0.001	-0.001	-0.001
-0.017	-0.018	-0.019	-0.019	-0.02	-0.02	-0.02	-0.02	-0.022	-0.024	-0.036	-0.034	-0.041
0	0	0	0	0	0	0	0	0	0	0	0	0
-0.014	-0.015	-0.016	-0.016	-0.016	-0.016	-0.017	-0.017	-0.018	-0.02	-0.03	-0.028	-0.034
-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.004	-0.004	-0.006	-0.006	-0.007
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	-0.001
0	0	0	0	0	0	0	0	0	0	0	0	-0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

Elementary & Secondary School Teaching	1	1	1	0	0	0	0	1	1	1	1
& Related Occupations	0	0	0								
Elementary & kindergarten teachers	0	0	1	0	0	0	0	0	0	0	0
Secondary school teachers	0	0	0	0	0	0	0	0	0	0	0
Elem&secondry school teach&rltd occs,ne	0	0	0	0	0	0	0	0	0	0	0
Yukon Occupation Impact Debt	**2002-07**	**2008-12** **Average Impact** **(Employed)**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
Other Teaching & Related Occupations	3	3	1	0	0	0	1	2	4	7	5
Community college & vocational teachers	0	0	0	0	0	0	0	0	0	0	0
Fine arts teachers, nec	1	1	0	0	0	0	0	0	1	1	1
Post-secondary school teachers, nec	0	0	0	0	0	0	0	0	0	0	0
Teachers of exceptional students, nec	0	0	0	0	0	0	0	0	0	0	0
Instructors & training officers, nec	2	2	1	0	0	0	0	1	2	4	3
Oth teaching & rltd, nec	0	0	0	0	0	0	0	0	0	1	1
Medicine & MEDICINE & HEALTH	9	13	16	0	0	1	2	5	11	18	17
Health Diagnosing & Treating Occupations	0	0	0	0	0	0	0	0	0	0	0
Physicians & surgeons	0	0	0	0	0	0	0	0	0	0	0
Dentists	0	0	0	0	0	0	0	0	0	0	0
Veterinarians	0	0	0	0	0	0	0	0	0	0	0
Osteopaths & chiropractors	0	0	0	0	0	0	0	0	0	0	0
Health diagnosing & treating, nec	0	0	0	0	0	0	0	0	0	0	0
Nursing, Therapy & Related	3	2	1	0	0	0	1	1	3	6	4
Assisting Occupations	0	0	0								
Supervisors:nursing,therap&rltd ass.occ	0	0	0	0	0	0	0	0	0	0	0
Nurses, registered, grad&in-training	1	1	1	0	0	0	0	0	1	2	1
Orderlies	0	0	0	0	0	0	0	0	0	0	0
Registered nursing assistants	0	0	0	0	0	0	0	0	0	0	0
Nursing attendants	1	1	0	0	0	0	0	0	1	3	2

1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.002	0.003
0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-10	2011-25
				Impact														Average Impact	
4	4	3	2	2	2	1	1	1	1	1	1	1	1	1	0	0	-1	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	-1	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
13	13	13	12	12	12	12	13	13	14	14	15	17	18	19	19	21	22	0.003	0.005
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.003	0.005
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	1	1	0	0.002	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0.002	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.001

0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0	0.001	0.002	0.004	0.007	0.005	0.004	0.004	0.003	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.002	0.004	0.003	0.003	0.002	0.002	0.001	0.001
0	0	0	0	0	0	0.001	0.001	0	0	0	0	0
0	0	0.001	0.002	0.005	0.011	0.018	0.017	0.013	0.013	0.013	0.012	0.012
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0.001	0.001	0.003	0.006	0.004	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.003	0.002	0.001	0.001	0.001	0	0

0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
act													
	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	0	-0.001
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0.001	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	0	0	-0.001
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.012	0.012	0.013	0.013	0.014	0.014	0.015	0.017	0.018	0.019	0.019	0.021	0.022
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

Audio & speech therapists	0	0	0	0	0	0	0	0	0	0	0
Physiotherapists	0	0	0	0	0	0	0	0	0	0	0
Occupational therapists	0	0	0	0	0	0	0	0	0	0	0
Nursing, therapy & rltd ass.occs, nec	0	0	0	0	0	0	0	0	0	1	1
Other Occupations in Medicine & Health	7	11	15	0	0	1	2	3	8	13	13
Pharmacists	4	6	9	0	0	1	1	2	4	6	7
Dietitians & nutritionists	0	0	0	0	0	0	0	0	0	0	0
Optometrists	0	0	0	0	0	0	0	0	0	0	0
Dispensing opticians	1	1	1	0	0	0	0	0	1	1	1
Radiological technologists&technicians	0	0	0	0	0	0	0	0	0	0	0
Medical lab technologists&technicians	1	1	1	0	0	0	0	1	1	3	2
Denturists	0	0	0	0	0	0	0	0	0	0	0
Dental hygienists & dental assistants	0	0	0	0	0	0	0	0	0	0	0
Dental laboratory technicians	0	0	0	0	0	0	0	0	0	0	0
Respiratory technicians	0	0	0	0	0	0	0	0	0	0	0
Oth medicine & health, nec	1	2	3	0	0	0	0	1	1	2	2

	Yukon Occupation Impact Debt	2002-07	2008-12 Average Impact (Employed)	2013-25	2000	2001	2002	2003	2004	2005	2006	2007
Artistic, Lit	ARTISTIC, LITERARY, RECREATIONAL &	36	21	5	0	0	4	8	18	49	80	56
	RELATED	0	0	0								
	Occupations in Fine & Commercial Art,	18	7	-5	0	0	2	3	9	25	41	27
	Photography & Related Fields	0	0	0								
	Painters, sculptors & rltd artists	1	0	0	0	0	0	0	0	1	1	1
	Product & interior designers	8	3	-1	0	0	1	1	4	11	20	13
	Advertising & illustrating artists	8	2	-5	0	0	1	2	4	11	17	11
	Photographers & camera operators	1	1	1	0	0	0	0	1	2	3	2
	Occs in fine&comm art, photo&rltd, nec	0	0	0	0	0	0	0	0	0	0	0
	Occupations in Performing &	5	6	6	0	0	1	1	2	6	11	9
	Audio-visual Arts	0	0	0								
	Producers&directors, perform & av arts	2	2	2	0	0	0	0	1	3	4	4
	Conductors, composers & arrangers	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.001
11	11	11	10	10	10	10	11	12	12	13	14	15	16	17	18	20	21	0.001	0.001
6	6	6	6	6	6	6	7	7	7	8	8	9	10	10	11	12	13	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	4	4	4	0.001	0.001
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2002-10**	**2011-25**
				Impact														**Average Impact**	
30	28	23	14	10	9	8	8	8	8	8	9	9	9	7	-1	-3	-10	0.005	0.001
12	10	8	3	1	-1	-1	-1	-2	-2	-2	-2	-2	-3	-5	-10	-12	-17	0.004	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	5	4	2	1	1	1	0	0	0	0	0	0	0	-1	-3	-3	-5	0.004	0.003
5	4	2	0	-2	-2	-3	-3	-3	-3	-4	-4	-4	-4	-5	-9	-10	-13	0.003	0.002
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	6	6	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	0	0
2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0.001	0	0	0	0	0
0	0	0.001	0.002	0.003	0.008	0.013	0.013	0.011	0.011	0.011	0.01	0.01
0	0	0.001	0.001	0.002	0.004	0.006	0.007	0.006	0.006	0.006	0.006	0.006
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.001	0.003	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0.004	0.008	0.018	0.049	0.08	0.056	0.03	0.028	0.023	0.014	0.01
0	0	0.002	0.003	0.009	0.025	0.041	0.027	0.012	0.01	0.008	0.003	0.001
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0.001	0.001	0.004	0.011	0.02	0.013	0.005	0.005	0.004	0.002	0.001
0	0	0.001	0.002	0.004	0.011	0.017	0.011	0.005	0.004	0.002	0	-0.002
0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.001	0.001	0.002	0.006	0.011	0.009	0.006	0.006	0.006	0.005	0.005
0	0	0	0	0.001	0.003	0.004	0.004	0.002	0.003	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.01	0.01	0.011	0.012	0.012	0.013	0.014	0.015	0.016	0.017	0.018	0.02	0.021
0.006	0.006	0.007	0.007	0.007	0.008	0.008	0.009	0.01	0.01	0.011	0.012	0.013
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004

ıact

2013	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
0.009	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.007	-0.001	-0.003	-0.01
-0.001	-0.001	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	-0.005	-0.01	-0.012	-0.017
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0	0	0	0	0	0	0	-0.001	-0.003	-0.003	-0.005
-0.002	-0.003	-0.003	-0.003	-0.003	-0.004	-0.004	-0.004	-0.004	-0.005	-0.009	-0.01	-0.013
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0

	Musicians & singers	0	0	0	0	0	0	0	0	0	1	0
	Occs rltd to music & mus entertain, nec	0	0	0	0	0	0	0	0	0	0	0
	Dancers & choreographers	0	0	0	0	0	0	0	0	0	0	0
	Actors/actresses	0	0	0	0	0	0	0	0	0	0	0
	Radio & television announcers	2	3	2	0	0	0	0	1	2	4	4
	Performing & audio-visual arts, nec	1	0	0	0	0	0	0	0	1	1	1
	Occupations in Writing	11	6	1	0	0	1	2	6	15	23	16
	Writers & editors	9	7	5	0	0	1	2	5	13	20	14
	Translators & interpreters	1	0	-3	0	0	0	0	1	2	3	2
	Writing, nec	0	0	0	0	0	0	0	0	0	0	0
	Occupations in Sports & Recreation	2	3	3	0	0	0	1	1	3	5	4
	Supervisors: sports & recreation	0	0	0	0	0	0	0	0	0	0	0
	Coaches,trainers&instructors,sports&rec	1	1	2	0	0	0	0	1	2	3	2
	Referees & rltd officials	0	0	0	0	0	0	0	0	0	0	0
	Athletes	0	0	0	0	0	0	0	0	0	0	0
	Attendants, sports & recreation	0	0	0	0	0	0	0	0	0	0	0
	Sports & recreation, nec	1	1	1	0	0	0	0	0	1	1	1
Clerical	CLERICAL & RELATED	432	262	203	0	0	46	73	188	551	1034	702
	Stenographic & Typing Occupations	104	22	-14	0	0	11	16	43	134	265	154
	Supervisors:Stenographic & typing	1	0	0	0	0	0	0	0	1	1	1
	Secretaries & stenographers	100	21	-13	0	0	11	15	42	129	256	149
	Typists & clerk-typists	3	1	-1	0	0	0	1	1	4	8	5
	Bookkeeping, Account-recording &	179	132	142	0	0	19	30	77	226	421	299
	Related Occupations	0	0	0								
	Supervisors:book, acct-record&rltd occs	4	3	3	0	0	0	1	2	5	10	7
	Bookkeepers & accounting clerks	117	43	25	0	0	10	14	47	150	299	182
	Cashiers & tellers	53	83	113	0	0	8	15	26	65	103	103
	Insurance, bank & oth finance clerks	2	2	0	0	0	0	1	1	3	5	4
	Statistical clerks	1	1	0	0	0	0	0	0	1	2	1
	Bookkeep, acct-recording&rltd occs, nec	1	0	0	0	0	0	0	0	1	1	1
	Yukon Occupation Impact Debt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	3	3	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	8	7	4	3	2	2	2	2	2	2	3	3	3	2	0	-1	-3	0	0
9	8	7	5	4	4	4	4	4	5	5	5	6	6	6	5	5	5	0.004	0.002
0	0	0	-1	-1	-2	-2	-2	-2	-2	-3	-3	-3	-3	-4	-5	-6	-7	0.001	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	3	3	2	2	2	2	2	3	3	3	3	3	4	4	4	4	4	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
317	306	281	215	193	173	171	176	184	187	198	212	229	241	247	203	218	197	0.177	0.043
37	32	25	11	4	-3	-4	-5	-6	-7	-7	-7	-7	-9	-13	-32	-33	-46	0.051	0.01
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	31	24	10	4	-2	-4	-5	-5	-6	-6	-6	-7	-8	-12	-30	-30	-43	0.067	0.027
2	1	1	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-2	-2	-3	0.002	0.002
147	145	139	117	110	105	106	111	117	121	128	138	150	161	172	165	181	187	0.072	0.013
3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	0.002	0.001
53	51	47	34	29	22	21	22	23	23	25	27	30	32	32	22	25	19	0.073	0.02
87	87	86	78	77	80	82	85	90	94	99	107	116	125	136	141	154	166	0.014	0.011
2	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	-1	-1	0.001	0
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2002-10**	**2011-25**

0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.002	0.004	0.004	0.003	0.003	0.003	0.002	0.002
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0.001	0.002	0.006	0.015	0.023	0.016	0.009	0.008	0.007	0.004	0.003
0	0	0.001	0.002	0.005	0.013	0.02	0.014	0.009	0.008	0.007	0.005	0.004
0	0	0	0	0.001	0.002	0.003	0.002	0	0	0	-0.001	-0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0.001	0.001	0.003	0.005	0.004	0.003	0.003	0.003	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0.046	0.073	0.188	0.551	1.034	0.702	0.317	0.306	0.281	0.215	0.193
0	0	0.011	0.016	0.043	0.134	0.265	0.154	0.037	0.032	0.025	0.011	0.004
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0.011	0.015	0.042	0.129	0.256	0.149	0.035	0.031	0.024	0.01	0.004
0	0	0	0.001	0.001	0.004	0.008	0.005	0.002	0.001	0.001	0	0
0	0	0.019	0.03	0.077	0.226	0.421	0.299	0.147	0.145	0.139	0.117	0.11
0	0	0	0.001	0.002	0.005	0.01	0.007	0.003	0.003	0.003	0.003	0.003
0	0	0.01	0.014	0.047	0.15	0.299	0.182	0.053	0.051	0.047	0.034	0.029
0	0	0.008	0.015	0.026	0.065	0.103	0.103	0.087	0.087	0.086	0.078	0.077
0	0	0	0.001	0.001	0.003	0.005	0.004	0.002	0.002	0.002	0.001	0.001
0	0	0	0	0	0.001	0.002	0.001	0.001	0.001	0.001	0	0
0	0	0	0	0	0.001	0.001	0.001	0.001	0	0	0	0
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.002	0	-0.001	-0.003
0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.005	0.005	0.005
-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	-0.003	-0.003	-0.003	-0.004	-0.005	-0.006	-0.007
0	0	0	0	0	0	0	0	0	0	0	0	0
0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.173	0.171	0.176	0.184	0.187	0.198	0.212	0.229	0.241	0.247	0.203	0.218	0.197
-0.003	-0.004	-0.005	-0.006	-0.007	-0.007	-0.007	-0.007	-0.009	-0.013	-0.032	-0.033	-0.046
0	0	0	0	0	0	0	0	0	0	0	0	0
-0.002	-0.004	-0.005	-0.005	-0.006	-0.006	-0.006	-0.007	-0.008	-0.012	-0.03	-0.03	-0.043
0	0	0	0	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	-0.002	-0.003
0.105	0.106	0.111	0.117	0.121	0.128	0.138	0.15	0.161	0.172	0.165	0.181	0.187
0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004
0.022	0.021	0.022	0.023	0.023	0.025	0.027	0.03	0.032	0.032	0.022	0.025	0.019
0.08	0.082	0.085	0.09	0.094	0.099	0.107	0.116	0.125	0.136	0.141	0.154	0.166
0.001	0.001	0.001	0.001	0.001	0	0	0	0	0	0	-0.001	-0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
2013	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**

		Average Impact (Employed)									
Office Machine & Electronic	20	9	-5	0	0	3	4	9	26	45	30
Dataprocessing Equipment Operators	0	0	0								
Supervisors:office machine&EDP eqpt ope	1	1	0	0	0	0	0	0	1	2	1
Office machine operators	2	1	0	0	0	0	0	1	2	4	3
Electronic data-processing eqpt oper	17	8	-5	0	0	2	4	8	23	39	26
Material Recording, Scheduling &	32	35	41	0	0	4	6	14	39	69	57
Distibuting Occupations	0	0	0								
Supers:Mat record, sched&distrib occs	2	2	2	0	0	0	0	1	2	4	3
Production clerks	2	1	1	0	0	0	0	1	2	5	3
Shipping & receiving clerks	11	11	12	0	0	1	2	5	14	25	20
Stock clerks & rltd	16	20	25	0	0	2	3	7	19	33	29
Weighers	1	0	0	0	0	0	0	0	1	2	1
Mat record, schedul & distrib occs, nec	1	1	1	0	0	0	0	0	1	1	1
Library, File & Correspondence Clerks	3	1	0	0	0	0	1	1	3	6	4
& Related Occupations	0	0	0								
Supers:Lib, file&corres clerks&rltd occ	0	0	0	0	0	0	0	0	0	0	0
Library & file clerks	2	1	1	0	0	0	0	1	3	5	3
Lib. file&corresp clerks&rltd occs, nec	0	0	0	0	0	0	0	0	0	0	0
Reception, Information, Mail & Message	31	17	10	0	0	3	6	14	41	74	50
Distribution Occupations	0	0	0								
Supers:recept,info,mail&mess distr occs	1	0	0	0	0	0	0	0	1	2	1
Receptionists & information clerks	22	11	6	0	0	2	4	9	28	52	34
Mail carriers	0	0	0	0	0	0	0	0	0	0	0
Mail & postal clerks	2	2	1	0	0	0	0	1	2	4	3
Telephone operators	4	2	-1	0	0	0	1	2	5	8	5
Messengers	1	1	0	0	0	0	0	1	2	3	2
Recept,info,mail&mess distrib occs, nec	2	2	2	0	0	0	0	1	3	5	4
Other Clerical & Related Occupations	65	46	29	0	0	6	10	28	83	154	109
Supervisors:oth clerical,rltd occs, nec	4	3	2	0	0	0	1	2	5	9	6
Collectors	2	1	-1	0	0	0	0	1	2	4	3

Impact																		Average Impact	
14	13	10	6	3	2	1	0	0	-1	-1	-2	-3	-4	-6	-13	-16	-22	0.006	0.005
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	0.001	0.001
1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0.001	0.001
12	11	9	5	3	1	1	0	0	-1	-2	-2	-3	-4	-6	-12	-15	-20	0.01	0.012
37	38	37	32	31	31	31	32	34	35	37	40	43	46	49	49	52	54	0.01	0.004
2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	0.001	0.001
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0.001	0.001
12	12	12	10	10	10	10	10	10	11	11	12	13	14	15	14	15	15	0.006	0.005
21	21	21	18	18	18	18	19	20	21	22	24	26	28	30	30	33	35	0.007	0.005
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	0	0
2	2	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	-1	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	21	19	13	11	10	9	10	10	10	10	11	12	12	12	7	7	4	0.011	0.002
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	13	12	8	7	6	6	6	6	6	7	7	8	8	8	5	5	3	0.014	0.01
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
3	2	2	1	1	0	0	0	0	0	0	0	0	0	-1	-2	-2	-3	0.002	0.002
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	0.001	0.001
57	55	49	37	32	28	27	27	28	29	30	32	34	34	34	27	26	21	0.026	0.008
3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	0.002	0.002
1	1	1	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-2	-2	-3	0.001	0.001

0	0	0.003	0.004	0.009	0.026	0.045	0.03	0.014	0.013	0.01	0.006	0.003
0	0	0	0	0	0.001	0.002	0.001	0.001	0.001	0.001	0	0
0	0	0	0	0.001	0.002	0.004	0.003	0.001	0.001	0.001	0.001	0
0	0	0.002	0.004	0.008	0.023	0.039	0.026	0.012	0.011	0.009	0.005	0.003
0	0	0.004	0.006	0.014	0.039	0.069	0.057	0.037	0.038	0.037	0.032	0.031
0	0	0	0	0.001	0.002	0.004	0.003	0.002	0.002	0.002	0.001	0.001
0	0	0	0	0.001	0.002	0.005	0.003	0.002	0.001	0.001	0.001	0.001
0	0	0.001	0.002	0.005	0.014	0.025	0.02	0.012	0.012	0.012	0.01	0.01
0	0	0.002	0.003	0.007	0.019	0.033	0.029	0.021	0.021	0.021	0.018	0.018
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0.001	0.001	0.003	0.006	0.004	0.002	0.002	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.003	0.005	0.003	0.002	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.003	0.006	0.014	0.041	0.074	0.05	0.022	0.021	0.019	0.013	0.011
0	0	0	0	0	0.001	0.002	0.001	0.001	0	0	0	0
0	0	0.002	0.004	0.009	0.028	0.052	0.034	0.014	0.013	0.012	0.008	0.007
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.002	0.004	0.003	0.002	0.002	0.002	0.001	0.001
0	0	0	0.001	0.002	0.005	0.008	0.005	0.003	0.002	0.002	0.001	0.001
0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0	0
0	0	0	0	0.001	0.003	0.005	0.004	0.002	0.002	0.002	0.002	0.002
0	0	0.006	0.01	0.028	0.083	0.154	0.109	0.057	0.055	0.049	0.037	0.032
0	0	0	0.001	0.002	0.005	0.009	0.006	0.003	0.003	0.003	0.002	0.002
0	0	0	0	0.001	0.002	0.004	0.003	0.001	0.001	0.001	0	0

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0.002	0.001	0	0	-0.001	-0.001	-0.002	-0.003	-0.004	-0.006	-0.013	-0.016	-0.022
0	0	0	0	0	0	0	0	0	0	-0.001	-0.001	-0.001
0	0	0	0	0	0	0	0	0	0	0	0	-0.001
0.001	0.001	0	0	-0.001	-0.002	-0.002	-0.003	-0.004	-0.006	-0.012	-0.015	-0.02
0.031	0.031	0.032	0.034	0.035	0.037	0.04	0.043	0.046	0.049	0.049	0.052	0.054
0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0
0.01	0.01	0.01	0.01	0.011	0.011	0.012	0.013	0.014	0.015	0.014	0.015	0.015
0.018	0.018	0.019	0.02	0.021	0.022	0.024	0.026	0.028	0.03	0.03	0.033	0.035
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002
0.001	0.001	0.001	0.001	0.001	0	0.001	0.001	0	0	0	0	-0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.01	0.009	0.01	0.01	0.01	0.01	0.011	0.012	0.012	0.012	0.007	0.007	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0
0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.008	0.008	0.008	0.005	0.005	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	-0.001	-0.002	-0.002	-0.003
0	0	0	0	0	0	0	0	0	0	0	0	0
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003
0.028	0.027	0.027	0.028	0.029	0.03	0.032	0.034	0.034	0.034	0.027	0.026	0.021
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.001
0	0	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	-0.002	-0.003

	Claim adjusters	2	2	2	0	0	0	0	1	3	5	4
	Trav clerks,ticket,station,freight agen	9	12	7	0	0	1	1	4	10	18	17
	Hotel clerks	5	4	5	0	0	1	1	2	6	9	8
	Personnel clerks	1	0	0	0	0	0	0	0	1	1	1
	General office clerks	35	17	10	0	0	3	4	14	45	87	55
	Oth clerical & rltd, nec	9	7	4	0	0	1	2	4	12	21	15

	Yukon Occupation Impact Debt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
			Average Impact (Employed)									
Sales	SALES	199	273	357	0	0	27	48	94	246	406	374
	Sales Occupations, Commodities	179	259	352	0	0	24	43	84	218	362	342
	Supervisors:Sales, commodities	26	40	56	0	0	4	6	12	31	51	50
	Technical sales & rltd advisers	3	0	-2	0	0	0	0	1	4	7	4
	Commercial travellers	7	2	0	0	0	0	1	3	9	17	10
	Sales clerks&salespersons, commod, nec	128	192	265	0	0	18	31	60	155	255	246
	Street vendors & door-to-door sales	3	4	6	0	0	0	1	1	4	6	6
	Newspaper carriers & vendors	2	4	5	0	0	0	1	1	2	4	4
	Service station attendants	9	16	23	0	0	1	3	4	11	17	18
	Sales:Commodities, nec	3	2	0	0	0	0	1	1	3	6	4
	Sales Occupations, Services	16	9	0	0	0	2	4	8	22	35	24
	Supervisors:Sales, services	2	1	-1	0	0	0	0	1	3	6	3
	Insurance sales	2	2	0	0	0	0	1	1	3	5	4
	Real estate sales	3	3	0	0	0	1	1	2	4	7	5
	Sales agents & traders, securities	1	0	-1	0	0	0	0	1	2	3	2
	Advertising sales	5	2	1	0	0	0	1	2	7	10	7
	Business services sales	1	1	0	0	0	0	0	1	2	3	2
	Sales:Services, nec	1	0	0	0	0	0	0	0	1	1	1
	Other Sales Occupations	4	5	5	0	0	1	1	2	5	9	8
	Supervisors:oth sales	0	0	0	0	0	0	0	0	0	1	0
	Buyers, wholesale & retail trade	1	2	3	0	0	0	0	1	1	2	2
	Route drivers	1	2	2	0	0	0	0	1	2	3	2
	Oth sales, nec	2	1	0	0	0	0	0	1	2	3	3

3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	0.001	0.001
16	15	13	9	7	6	6	6	6	6	7	7	8	8	8	7	6	6	0.006	0.003
5	5	4	4	3	3	4	4	4	4	5	5	5	6	6	7	7	7	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	20	18	14	12	10	10	10	10	10	11	11	12	12	12	8	8	6	0.022	0.011
8	8	7	5	5	4	4	4	4	4	4	5	5	5	5	3	3	2	0.006	0.005

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-10	2011-25
				Impact														Average Impact	
284	289	286	256	252	256	262	273	287	298	316	339	368	397	427	435	476	509	0.039	0.017
265	271	271	246	244	249	255	267	281	292	310	333	361	391	422	434	475	512	0.037	0.017
40	41	41	38	38	39	40	42	44	46	49	52	57	61	66	69	75	82	0.009	0.007
1	1	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-2	-2	-3	-3	-4	0.002	0.001
3	3	2	1	1	0	0	0	0	0	0	0	0	0	0	-1	-1	-2	0.004	0.002
195	200	200	183	182	186	191	200	211	219	233	250	271	294	317	328	359	388	0.045	0.033
4	4	4	4	4	4	4	4	4	5	5	5	6	6	7	7	7	8	0.001	0.001
4	4	4	3	3	4	4	4	4	4	4	5	5	6	6	6	7	8	0.001	0
16	17	17	16	16	16	17	17	18	19	20	22	24	26	28	29	32	35	0.003	0.002
2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	-1	-2	-3	0.001	0.001
13	12	10	6	4	3	3	2	2	1	1	1	1	0	-1	-4	-6	-9	0.002	0
2	1	1	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-2	-2	-3	-4	0.001	0.001
3	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	-1	-1	0.001	0
3	3	3	2	2	1	1	1	1	1	1	1	0	0	0	0	-1	-1	0.001	0
1	1	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-2	-2	-3	-3	0.001	0
4	3	3	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	0.002	0
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	5	5	4	4	4	4	4	5	5	5	5	6	6	7	6	7	7	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	2	2	2	2	2	2	2	3	3	3	3	3	4	4	4	5	0	0
2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	0.001	0
1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	0.001	0.001

0	0	0	0	0.001	0.003	0.005	0.004	0.003	0.003	0.002	0.002	0.002
0	0	0.001	0.001	0.004	0.01	0.018	0.017	0.016	0.015	0.013	0.009	0.007
0	0	0.001	0.001	0.002	0.006	0.009	0.008	0.005	0.005	0.004	0.004	0.003
0	0	0	0	0	0.001	0.001	0.001	0.001	0	0	0	0
0	0	0.003	0.004	0.014	0.045	0.087	0.055	0.02	0.02	0.018	0.014	0.012
0	0	0.001	0.002	0.004	0.012	0.021	0.015	0.008	0.008	0.007	0.005	0.005

2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0.027	0.048	0.094	0.246	0.406	0.374	0.284	0.289	0.286	0.256	0.252
0	0	0.024	0.043	0.084	0.218	0.362	0.342	0.265	0.271	0.271	0.246	0.244
0	0	0.004	0.006	0.012	0.031	0.051	0.05	0.04	0.041	0.041	0.038	0.038
0	0	0	0	0.001	0.004	0.007	0.004	0.001	0.001	0	0	0
0	0	0	0.001	0.003	0.009	0.017	0.01	0.003	0.003	0.002	0.001	0.001
0	0	0.018	0.031	0.06	0.155	0.255	0.246	0.195	0.2	0.2	0.183	0.182
0	0	0	0.001	0.001	0.004	0.006	0.006	0.004	0.004	0.004	0.004	0.004
0	0	0	0.001	0.001	0.002	0.004	0.004	0.004	0.004	0.004	0.003	0.003
0	0	0.001	0.003	0.004	0.011	0.017	0.018	0.016	0.017	0.017	0.016	0.016
0	0	0	0.001	0.001	0.003	0.006	0.004	0.002	0.002	0.002	0.001	0.001
0	0	0.002	0.004	0.008	0.022	0.035	0.024	0.013	0.012	0.01	0.006	0.004
0	0	0	0	0.001	0.003	0.006	0.003	0.002	0.001	0.001	0	0
0	0	0	0.001	0.001	0.003	0.005	0.004	0.003	0.002	0.002	0.002	0.001
0	0	0.001	0.001	0.002	0.004	0.007	0.005	0.003	0.003	0.003	0.002	0.002
0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0	0	0
0	0	0	0.001	0.002	0.007	0.01	0.007	0.004	0.003	0.003	0.001	0.001
0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0.001	0.001	0.002	0.005	0.009	0.008	0.005	0.005	0.005	0.004	0.004
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0.001	0.002	0.003	0.002	0.002	0.002	0.002	0.001	0.001
0	0	0	0	0.001	0.002	0.003	0.003	0.001	0.001	0.001	0.001	0

0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003
0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.008	0.008	0.008	0.007	0.006	0.006
0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.007
0	0	0	0	0	0	0	0	0	0	0	0	0
0.01	0.01	0.01	0.01	0.01	0.011	0.011	0.012	0.012	0.012	0.008	0.008	0.006
0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.003	0.003	0.002

2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025

act

0.256	0.262	0.273	0.287	0.298	0.316	0.339	0.368	0.397	0.427	0.435	0.476	0.509
0.249	0.255	0.267	0.281	0.292	0.31	0.333	0.361	0.391	0.422	0.434	0.475	0.512
0.039	0.04	0.042	0.044	0.046	0.049	0.052	0.057	0.061	0.066	0.069	0.075	0.082
-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	-0.002	-0.003	-0.003	-0.004
0	0	0	0	0	0	0	0	0	0	-0.001	-0.001	-0.002
0.186	0.191	0.2	0.211	0.219	0.233	0.25	0.271	0.294	0.317	0.328	0.359	0.388
0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.007	0.008
0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.006	0.006	0.006	0.007	0.008
0.016	0.017	0.017	0.018	0.019	0.02	0.022	0.024	0.026	0.028	0.029	0.032	0.035
0	0	0	0	0	0	0	0	0	0	-0.001	-0.002	-0.003
0.003	0.003	0.002	0.002	0.001	0.001	0.001	0.001	0	-0.001	-0.004	-0.006	-0.009
0	0	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	-0.002	-0.003	-0.004
0.001	0.001	0.001	0.001	0.001	0	0	0	0	0	0	-0.001	-0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	0	0	0	-0.001	-0.001
0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	-0.002	-0.003	-0.003
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	-0.001	-0.001	-0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.006	0.007	0.007
0	0	0	0	0	0	0	0	0	0	0	0	0
0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.005
0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003
0	0	0	0	0	0	0	0	0	0	0	-0.001	-0.001

Service	SERVICE	370	362	407	0	0	52	89	180	468	788	642
	Protective Service Occupations	18	-1	-35	0	0	2	4	10	26	42	25
	Fire-fighting	1	1	0	0	0	0	0	0	1	2	1
	Police officers & detectives, gov't	0	0	0	0	0	0	0	0	0	0	0
	Police agents & investigators, private	1	0	-2	0	0	0	0	1	1	2	1
	Guards & rltd security	16	-2	-35	0	0	2	3	8	23	36	21
	Protective service, nec	1	0	0	0	0	0	0	0	1	1	1
	Food & Beverage Preparation & Related	179	180	213	0	0	25	44	90	226	372	314
	Service Occupations	0	0	0								
	Supers:Food&bev prep&rltd service occs	17	17	20	0	0	2	4	9	22	35	30
	Chefs & cooks	57	57	68	0	0	8	14	28	72	119	100
	Bartenders	11	11	13	0	0	2	3	6	14	23	19
	Food & beverage serving	85	86	102	0	0	12	21	43	108	177	150
	Food&bev prep & rltd service occs, nec	9	9	11	0	0	1	2	4	11	18	15
	Occupations in Lodging & Other	13	13	15	0	0	2	3	7	17	28	23
	Accommodation	0	0	0								
	Supervisors:Lodging & oth accommodation	5	5	5	0	0	1	1	2	6	11	8
	Lodging cleaners, except private hhold	7	7	8	0	0	1	2	3	9	14	12
	Sleeping-car & baggage porters	1	1	1	0	0	0	0	0	1	2	1
	Lodging & oth accommodation, nec	1	1	1	0	0	0	0	0	1	1	1

Yukon Occupation Impact Debt	2002-07	2008-12 Average Impact (Employed)	2013-25	2000	2001	2002	2003	2004	2005	2006	2007
Personal Service Occupations	108	120	156	0	0	17	27	50	133	232	190
Funeral directors, embalmers&rltd occs	2	3	3	0	0	0	1	1	3	5	4
Housekeepers, servants & rltd	10	11	14	0	0	2	3	5	13	22	17
Barbers, hairdressers & rltd	48	53	73	0	0	8	12	23	59	103	84
Guides	0	0	0	0	0	0	0	0	0	1	1
Travel&rltd attendants, except food&bev	8	10	5	0	0	1	1	3	9	16	15
Child-care	39	42	58	0	0	6	10	18	47	83	67
Personal service, nec	1	1	2	0	0	0	0	1	1	3	2

432	407	370	309	290	291	298	314	335	348	371	401	435	466	495	497	517	526	0.027	0.014
8	5	1	-7	-12	-15	-17	-19	-21	-23	-26	-28	-32	-36	-43	-56	-65	-80	0.006	0.002
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.001
0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-2	-2	-3	-3	-4	0	0.001
6	3	0	-8	-12	-15	-17	-19	-21	-23	-25	-28	-31	-35	-41	-54	-63	-77	0.008	0.017
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222	204	182	152	141	143	147	157	169	176	188	205	224	243	262	272	287	301	0.009	0.006
21	19	17	14	13	14	14	15	16	17	18	19	21	23	25	26	27	29	0.001	0.001
70	65	58	48	45	45	47	50	54	56	60	65	71	77	83	86	91	96	0.005	0.004
14	12	11	9	9	9	9	10	10	11	11	12	14	15	16	16	17	18	0.001	0.001
106	97	87	73	67	68	70	75	81	84	90	98	107	116	125	130	137	144	0.007	0.005
11	10	9	8	7	7	7	8	9	9	9	10	11	12	13	14	14	15	0.001	0.001
16	15	13	11	10	10	10	11	12	12	13	14	15	17	18	19	20	20	0.001	0
6	5	5	4	4	4	4	4	4	4	4	5	5	6	6	6	7	7	0.001	0
9	8	7	6	5	5	6	6	6	7	7	8	9	9	10	10	11	11	0.001	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2002-10**	**2011-25**
				Impact														**Average Impact**	
130	128	123	110	109	111	114	120	127	134	143	153	165	176	186	190	200	206	0.001	0.002
3	3	3	2	2	2	2	3	3	3	3	3	4	4	4	4	4	5	0.001	0.002
11	11	11	10	10	10	10	11	11	12	13	14	15	16	17	17	18	18	0.006	0.007
56	56	54	50	50	51	53	56	60	62	67	72	77	82	88	90	95	98	0.029	0.033
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	13	11	8	6	5	5	5	5	5	6	6	6	6	6	6	5	5	0.005	0.002
44	44	43	39	39	41	42	44	47	49	53	57	61	65	69	71	75	77	0.023	0.027
1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	0.001	0.001

0	0	0.052	0.089	0.18	0.468	0.788	0.642	0.432	0.407	0.37	0.309	0.29
0	0	0.002	0.004	0.01	0.026	0.042	0.025	0.008	0.005	0.001	-0.007	-0.012
0	0	0	0	0	0.001	0.002	0.001	0.001	0.001	0.001	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.001	0.002	0.001	0	0	0	0	0
0	0	0.002	0.003	0.008	0.023	0.036	0.021	0.006	0.003	0	-0.008	-0.012
0	0	0	0	0	0.001	0.001	0.001	0.001	0	0	0	0
0	0	0.025	0.044	0.09	0.226	0.372	0.314	0.222	0.204	0.182	0.152	0.141
0	0	0.002	0.004	0.009	0.022	0.035	0.03	0.021	0.019	0.017	0.014	0.013
0	0	0.008	0.014	0.028	0.072	0.119	0.1	0.07	0.065	0.058	0.048	0.045
0	0	0.002	0.003	0.006	0.014	0.023	0.019	0.014	0.012	0.011	0.009	0.009
0	0	0.012	0.021	0.043	0.108	0.177	0.15	0.106	0.097	0.087	0.073	0.067
0	0	0.001	0.002	0.004	0.011	0.018	0.015	0.011	0.01	0.009	0.008	0.007
0	0	0.002	0.003	0.007	0.017	0.028	0.023	0.016	0.015	0.013	0.011	0.01
0	0	0.001	0.001	0.002	0.006	0.011	0.008	0.006	0.005	0.005	0.004	0.004
0	0	0.001	0.002	0.003	0.009	0.014	0.012	0.009	0.008	0.007	0.006	0.005
0	0	0	0	0	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0	0
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0.017	0.027	0.05	0.133	0.232	0.19	0.13	0.128	0.123	0.11	0.109
0	0	0	0.001	0.001	0.003	0.005	0.004	0.003	0.003	0.003	0.002	0.002
0	0	0.002	0.003	0.005	0.013	0.022	0.017	0.011	0.011	0.011	0.01	0.01
0	0	0.008	0.012	0.023	0.059	0.103	0.084	0.056	0.056	0.054	0.05	0.05
0	0	0	0	0	0	0.001	0.001	0	0	0	0	0
0	0	0.001	0.001	0.003	0.009	0.016	0.015	0.014	0.013	0.011	0.008	0.006
0	0	0.006	0.01	0.018	0.047	0.083	0.067	0.044	0.044	0.043	0.039	0.039
0	0	0	0	0.001	0.001	0.003	0.002	0.001	0.001	0.001	0.001	0.001

0.291	0.298	0.314	0.335	0.348	0.371	0.401	0.435	0.466	0.495	0.497	0.517	0.526
-0.015	-0.017	-0.019	-0.021	-0.023	-0.026	-0.028	-0.032	-0.036	-0.043	-0.056	-0.065	-0.08
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	-0.002	-0.003	-0.003	-0.004
-0.015	-0.017	-0.019	-0.021	-0.023	-0.025	-0.028	-0.031	-0.035	-0.041	-0.054	-0.063	-0.077
0	0	0	0	0	0	0	0	0	0	0	0	0
0.143	0.147	0.157	0.169	0.176	0.188	0.205	0.224	0.243	0.262	0.272	0.287	0.301
0.014	0.014	0.015	0.016	0.017	0.018	0.019	0.021	0.023	0.025	0.026	0.027	0.029
0.045	0.047	0.05	0.054	0.056	0.06	0.065	0.071	0.077	0.083	0.086	0.091	0.096
0.009	0.009	0.01	0.01	0.011	0.011	0.012	0.014	0.015	0.016	0.016	0.017	0.018
0.068	0.07	0.075	0.081	0.084	0.09	0.098	0.107	0.116	0.125	0.13	0.137	0.144
0.007	0.007	0.008	0.009	0.009	0.009	0.01	0.011	0.012	0.013	0.014	0.014	0.015
0.01	0.01	0.011	0.012	0.012	0.013	0.014	0.015	0.017	0.018	0.019	0.02	0.02
0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.006	0.006	0.006	0.007	0.007
0.005	0.006	0.006	0.006	0.007	0.007	0.008	0.009	0.009	0.01	0.01	0.011	0.011
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

act

2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
0.111	0.114	0.12	0.127	0.134	0.143	0.153	0.165	0.176	0.186	0.19	0.2	0.206
0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.005
0.01	0.01	0.011	0.011	0.012	0.013	0.014	0.015	0.016	0.017	0.017	0.018	0.018
0.051	0.053	0.056	0.06	0.062	0.067	0.072	0.077	0.082	0.088	0.09	0.095	0.098
0	0	0	0	0	0	0	0	0	0	0	0	0
0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.005
0.041	0.042	0.044	0.047	0.049	0.053	0.057	0.061	0.065	0.069	0.071	0.075	0.077
0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002

	Apparel & Furnishings Service	12	13	18	0	0	2	3	6	15	27	21
	Occupations	0	0	0								
	Supervisors:Apparel & furnishings svc	2	2	2	0	0	0	0	1	2	3	3
	Laundering & dry cleaning	6	6	8	0	0	1	1	3	7	12	9
	Pressing	2	2	3	0	0	0	1	1	3	5	4
	Apparel & furnishings service, nec	4	4	5	0	0	1	1	2	4	7	6
	Other Service Occupations	40	37	41	0	0	5	8	18	50	88	69
	Supervisors:oth service	1	1	1	0	0	0	0	1	2	3	2
	Janitors, charworkers & cleaners	20	16	16	0	0	2	3	9	26	48	34
	Elevator-operating	0	0	0	0	0	0	0	0	0	1	0
	Labouring & oth elemental work:oth svc	17	19	22	0	0	2	4	8	21	34	30
	Oth service, nec	1	1	1	0	0	0	0	1	2	3	2
Farming	FARMING, HORTICULTURAL & ANIMAL	70	15	10	0	0	1	1	24	90	197	109
	HUSBANDRY	0	0	0								
	Farmers	0	0	0	0	0	0	0	0	0	0	0
	Other Farming, Horticultural & Animal	70	15	10	0	0	1	1	24	90	197	109
	Husbandry Occupations	0	0	0								
	Foremn/womn:oth farm,hort&animal hsbdry	0	0	0	0	0	0	0	0	0	0	0
	Livestock farm workers	0	0	0	0	0	0	0	0	0	0	0
	Crop farm workers	0	0	0	0	0	0	0	0	0	0	0
	Nursery & rltd workers	69	14	10	0	0	0	1	24	88	193	106
	Inspect&test&grad&sampl occs:oth farm	0	0	0	0	0	0	0	0	0	0	0
	Farm machinery operators	0	0	0	0	0	0	0	0	0	1	0
	Oth farm, horticult&animal hsbdry, nec	2	1	0	0	0	0	0	1	2	4	2

Yukon and I
Employm
Standard Occı
Thousands

14	14	14	12	12	13	13	14	15	15	17	18	19	20	22	22	24	24	0	0
2	2	2	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	0.001	0.001
6	6	6	5	5	5	6	6	6	7	7	8	8	9	9	10	10	10	0.003	0.003
3	3	2	2	2	2	2	3	3	3	3	3	4	4	4	4	4	4	0.001	0.002
4	4	4	3	3	3	4	4	4	4	4	5	5	5	6	6	6	7	0.002	0.002
43	41	37	32	30	29	30	31	33	35	37	40	43	46	49	50	53	54	0.009	0.003
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0
18	17	16	14	13	12	12	13	14	14	15	16	17	19	20	19	20	21	0.01	0.006
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	21	19	16	15	15	15	16	17	18	19	21	23	25	27	28	29	31	0.003	0.002
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
13	15	17	14	14	8	8	8	9	9	9	10	11	12	12	13	13	14	0.063	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	15	17	14	14	8	8	8	9	9	9	10	11	12	12	13	13	14	0.063	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	14	16	14	13	7	7	8	8	8	9	10	10	11	12	12	13	13	0.049	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0.001	0

erritories
pation
assification

0	0	0.002	0.003	0.006	0.015	0.027	0.021	0.014	0.014	0.014	0.012	0.012
0	0	0	0	0.001	0.002	0.003	0.003	0.002	0.002	0.002	0.001	0.001
0	0	0.001	0.001	0.003	0.007	0.012	0.009	0.006	0.006	0.006	0.005	0.005
0	0	0	0.001	0.001	0.003	0.005	0.004	0.003	0.003	0.002	0.002	0.002
0	0	0.001	0.001	0.002	0.004	0.007	0.006	0.004	0.004	0.004	0.003	0.003
0	0	0.005	0.008	0.018	0.05	0.088	0.069	0.043	0.041	0.037	0.032	0.03
0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0.002	0.003	0.009	0.026	0.048	0.034	0.018	0.017	0.016	0.014	0.013
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0.002	0.004	0.008	0.021	0.034	0.03	0.022	0.021	0.019	0.016	0.015
0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0.001	0.001	0.024	0.09	0.197	0.109	0.013	0.015	0.017	0.014	0.014
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.001	0.001	0.024	0.09	0.197	0.109	0.013	0.015	0.017	0.014	0.014
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0.001	0.024	0.088	0.193	0.106	0.012	0.014	0.016	0.014	0.013
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0.001	0.002	0.004	0.002	0.001	0.001	0.001	0	0

0.013	0.013	0.014	0.015	0.015	0.017	0.018	0.019	0.02	0.022	0.022	0.024	0.024
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003
0.005	0.006	0.006	0.006	0.007	0.007	0.008	0.008	0.009	0.009	0.01	0.01	0.01
0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004
0.003	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.007
0.029	0.03	0.031	0.033	0.035	0.037	0.04	0.043	0.046	0.049	0.05	0.053	0.054
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.012	0.012	0.013	0.014	0.014	0.015	0.016	0.017	0.019	0.02	0.019	0.02	0.021
0	0	0	0	0	0	0	0	0	0	0	0	0
0.015	0.015	0.016	0.017	0.018	0.019	0.021	0.023	0.025	0.027	0.028	0.029	0.031
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.008	0.008	0.008	0.009	0.009	0.009	0.01	0.011	0.012	0.012	0.013	0.013	0.014
0	0	0	0	0	0	0	0	0	0	0	0	0
0.008	0.008	0.008	0.009	0.009	0.009	0.01	0.011	0.012	0.012	0.013	0.013	0.014
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.007	0.007	0.008	0.008	0.008	0.009	0.01	0.01	0.011	0.012	0.012	0.013	0.013
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001

	Yukon Occupation Impact Debt	2002-07	2008-12	2013-25	2000	2001	2002	2003	2004	2005	2006	2007
			Average Impact (Employed)									
Fishing & 1	FISHING, TRAPPING & RELATED	0	0	0	0	0	0	0	0	0	0	0
	Captains&oth officers, fishing vessels	0	0	0	0	0	0	0	0	0	0	0
	Net, trap & line fishing	0	0	0	0	0	0	0	0	0	0	0
	Trapping & rltd	0	0	0	0	0	0	0	0	0	0	0
	Fishing, trapping & rltd, nec	0	0	0	0	0	0	0	0	0	0	0
Forestry	FORESTRY & LOGGING	3	1	0	0	0	0	0	1	3	7	4
	Foremen/women:Forestry & logging	0	0	0	0	0	0	0	0	0	0	0
	Forestry conservation	0	0	0	0	0	0	0	0	0	0	0
	Timber cutting & rltd	1	0	0	0	0	0	0	0	1	3	2
	Log inspecting,grading,scal,rltd occs	0	0	0	0	0	0	0	0	0	0	0
	Log hoisting, sorting, moving&rltd occs	0	0	0	0	0	0	0	0	0	1	0
	Labour&oth elem work:forestry & logging	1	0	0	0	0	0	0	0	1	1	1
	Forestry & logging, nec	0	0	0	0	0	0	0	0	0	1	1
Mining	MINING & QUARRYING INCLUDING OIL &	9	5	5	0	0	0	0	3	11	26	16
	GAS FIELD	0	0	0								
	Foremn/wn:Mining & quarrying,	2	1	1	0	0	0	0	1	2	4	2
	incl oil & gas field occs	0	0	0								
	Rotary well-drilling & rltd	1	0	0	0	0	0	0	0	1	3	2
	Rock & soil drilling	3	1	0	0	0	0	0	1	4	8	4
	Blasting	1	0	0	0	0	0	0	0	1	3	1
	Min&quarry:cutting,handling,load occs	1	0	0	0	0	0	0	0	1	3	2
	Labouring & oth element work:min&quarry	1	2	3	0	0	0	0	0	1	4	3
	Mining&quarrying,inc oil&gas field, nec	1	1	1	0	0	0	0	0	1	2	1
Processing	PROCESSING	26	27	34	0	0	3	5	11	32	59	46

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025		
				Impact															
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0.009	0.005
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0
2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	0.002	0.002
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
28	28	28	25	25	25	26	27	28	29	31	33	36	38	41	41	44	46	0.011	0.005

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.003	0.007	0.004	0.001	0.001	0.001	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.003	0.002	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0.001	0.001	0	0	0	0	0
0	0	0	0	0.003	0.011	0.026	0.016	0.004	0.005	0.005	0.005	0.005
0	0	0	0	0.001	0.002	0.004	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0.001	0.003	0.002	0	0	0	0	0
0	0	0	0	0.001	0.004	0.008	0.004	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0.001	0.003	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.003	0.002	0	0	0	0	0
0	0	0	0	0	0.001	0.004	0.003	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0.003	0.005	0.011	0.032	0.059	0.046	0.028	0.028	0.028	0.025	0.025

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.025	0.026	0.027	0.028	0.029	0.031	0.033	0.036	0.038	0.041	0.041	0.044	0.046

Mineral Ore Treating Occupations	0	0	0	0	0	0	0	0	0	1	1
Foremen/women:Mineral ore treating	0	0	0	0	0	0	0	0	0	0	0
Crushing & grinding, mineral ores	0	0	0	0	0	0	0	0	0	0	0
Mixing,separating,filter&rltd,min ores	0	0	0	0	0	0	0	0	0	0	0
Melting & roasting, mineral ores	0	0	0	0	0	0	0	0	0	0	0
Inspect,test,grad&sampl occs:min ores	0	0	0	0	0	0	0	0	0	0	0
Labour&oth elemental work:mineral ores	0	0	0	0	0	0	0	0	0	0	0
Mineral ore treating, nec	0	0	0	0	0	0	0	0	0	0	0
Metal Processing & Related Occupations	3	1	1	0	0	0	0	1	4	9	5
Foremn/wn:metal processing & rltd occs	0	0	0	0	0	0	0	0	0	1	0
Metal smelt, convert & refining occs	0	0	0	0	0	0	0	0	0	1	0
Metal heat-treating	0	0	0	0	0	0	0	0	0	0	0
Metal rolling	0	0	0	0	0	0	0	0	0	0	0
Moulding, coremaking & metal casting	1	0	0	0	0	0	0	0	1	1	1
Metal extruding & drawing	0	0	0	0	0	0	0	0	0	0	0
Plating, metal spraying & rltd	0	0	0	0	0	0	0	0	0	0	0
Insp,test,grad&sampl occs, metal proc	0	0	0	0	0	0	0	0	0	1	0
Labour & oth elemental work:metal proc	0	0	0	0	0	0	0	0	0	1	0
Metal processing & rltd, nec	1	0	0	0	0	0	0	0	1	3	2

Yukon Occupation Impact Debt	**2002-07**	**2008-12 Average Impact (Employed)**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
Clay, Glass & Stone Processing, Forming	3	1	0	0	0	0	0	1	4	10	5
& Related Occupations	0	0	0								
Foremn/wn:Clay,glass&stone pro,form&rlt	1	0	0	0	0	0	0	0	1	1	1
Furnace & kiln workers:clay,glass&stone	0	0	0	0	0	0	0	0	0	0	0
Separ,grind,crush&mix:clay,glass&stone	1	0	0	0	0	0	0	0	2	4	2
Forming:Clay, glass & stone	1	0	0	0	0	0	0	0	1	2	1
Insp,test,grad&sampl:clay,glass&stone	0	0	0	0	0	0	0	0	0	1	0
Labour&oth elem work:clay,glass & stone	0	0	0	0	0	0	0	0	0	1	0
Clay,glass&stone proc, form&rltd, nec	1	0	0	0	0	0	0	0	1	1	1
Chemicals, Petroleum, Rubber, Plastic &	3	2	2	0	0	0	0	1	4	7	5

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.003	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2002-10**	**2011-25**
				Impact														**Average Impact**	
1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0.003	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	0	-1	0.002	0.003

0	0	0	0	0	0	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.004	0.009	0.005	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0.001	0.003	0.002	0	0	0	0	0
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0	0	0.001	0.004	0.01	0.005	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.002	0.004	0.002	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0.001	0.004	0.007	0.005	0.003	0.003	0.002	0.002	0.002

	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	2013	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
act													
	0	0	0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0	-0.001

Related Materials Processing Occupations	0	0	0								
Foremn/wen:chem,ptrlm,rbbr&plstic proc	0	0	0	0	0	0	0	0	0	1	1
Mixing & blending occs, chem&rltd mat	0	0	0	0	0	0	0	0	0	1	0
Filter, strain&separating,chem&rltd mat	0	0	0	0	0	0	0	0	0	0	0
Distil,sublim,carbonizing,chem&rltd mat	0	1	1	0	0	0	0	0	0	1	1
Roasting, cooking&drying,chem&rltd mat	0	0	0	0	0	0	0	0	0	0	0
Crushing&grinding, chemicals&rltd mat	0	0	0	0	0	0	0	0	0	0	0
Coating&calendering, chemicals&rltd mat	0	0	0	0	0	0	0	0	0	0	0
Insp,test,grad&sampling:chem&rltd mat	0	0	1	0	0	0	0	0	0	1	1
Labour&oth elemental work:chem&rltd mat	0	0	0	0	0	0	0	0	0	1	0
Chemicals&rltd materials proc occs, nec	1	0	0	0	0	0	0	0	1	2	1
Food, Beverage & Related Processing	14	22	31	0	0	2	4	7	16	26	27
Occupations	0	0	0								
Foremn/wn:food,bev&rltd processing occs	1	1	1	0	0	0	0	0	1	1	1
Flour & grain milling	0	0	0	0	0	0	0	0	0	0	0
Baking, confectionery making&rltd occs	7	11	15	0	0	1	2	3	8	13	13
Slaughter&meat cut,can,cure&pack occs	5	9	12	0	0	1	1	2	6	9	10
Fish canning, curing & packing	0	0	0	0	0	0	0	0	0	0	0
Fruit & veg canning, preserv&pack occs	0	0	0	0	0	0	0	0	0	0	0
Milk processing & rltd	0	0	0	0	0	0	0	0	0	0	0
Sugar processing & rltd	0	0	0	0	0	0	0	0	0	0	0
Insp, test, grading&sampling:food&bev	0	0	0	0	0	0	0	0	0	0	0
Beverage processing & rltd	0	0	0	0	0	0	0	0	0	0	0
Labouring&oth elemental work:food&bev	1	1	1	0	0	0	0	0	1	2	2
Food, bev & rltd processing occs, nec	0	0	0	0	0	0	0	0	0	0	0
Wood Processing Occupations, Except	1	0	0	0	0	0	0	0	1	2	1
Pulp & Papermaking	0	0	0								
Foremn/wn:wood proc, except pulp&paper	0	0	0	0	0	0	0	0	0	0	0
Sawmill sawyers & rltd	0	0	0	0	0	0	0	0	0	0	0
Plywood making & rltd	0	0	0	0	0	0	0	0	0	0	0
Wood treating	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	0.001	0.001
23	23	23	21	21	21	22	23	24	25	27	29	31	34	37	38	42	45	0.001	0.001
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	11	11	10	10	10	10	11	12	12	13	14	15	16	18	18	20	22	0.001	0.001
9	9	9	8	8	9	9	9	10	10	11	12	13	14	15	15	17	18	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0.001	0	0	0	0	0.001
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0.001	0	0	0	0
0	0	0.002	0.004	0.007	0.016	0.026	0.027	0.023	0.023	0.023	0.021	0.021
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.001	0.002	0.003	0.008	0.013	0.013	0.011	0.011	0.011	0.01	0.01
0	0	0.001	0.001	0.002	0.006	0.009	0.01	0.009	0.009	0.009	0.008	0.008
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	-0.001	-0.001
0	0	0	0	0	0	0	0	0	0	0	-0.001	-0.001
0.021	0.022	0.023	0.024	0.025	0.027	0.029	0.031	0.034	0.037	0.038	0.042	0.045
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0.01	0.01	0.011	0.012	0.012	0.013	0.014	0.015	0.016	0.018	0.018	0.02	0.022
0.009	0.009	0.009	0.01	0.01	0.011	0.012	0.013	0.014	0.015	0.015	0.017	0.018
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

Insp, test, grad&sampl occs:wood proc	0	0	0	0	0	0	0	0	0	0	0
Labouring&oth elemental work:wood proc	0	0	0	0	0	0	0	0	0	1	1
Wood proc, except pulp&papermaking, nec	0	0	0	0	0	0	0	0	0	0	0

Yukon Occupation Impact Debt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
		Average Impact **(Employed)**									
Pulp & Papermaking & Related Occupations	1	0	0	0	0	0	0	0	1	2	1
Foremn/wn:Pulp & papermaking&rltd occs	0	0	0	0	0	0	0	0	0	0	0
Cellulose pulp preparing	0	0	0	0	0	0	0	0	0	0	0
Papermaking & finishing	0	0	0	0	0	0	0	0	0	1	0
Inspect,test,grad&sampl occs:pulp&paper	0	0	0	0	0	0	0	0	0	0	0
Labour & oth elemental work:pulp&paper	0	0	0	0	0	0	0	0	0	0	0
Pulp & papermaking & rltd occs, nec	0	0	0	0	0	0	0	0	0	0	0
Textile Processing Occupations	1	0	0	0	0	0	0	0	1	1	1
Foremen/women:Textile processing	0	0	0	0	0	0	0	0	0	0	0
Textile fibre preparing	0	0	0	0	0	0	0	0	0	0	0
Textile spinning & twisting	0	0	0	0	0	0	0	0	0	0	0
Textile winding & reeling	0	0	0	0	0	0	0	0	0	0	0
Textile weaving	0	0	0	0	0	0	0	0	0	0	0
Knitting	0	0	0	0	0	0	0	0	0	0	0
Textile bleaching & dyeing	0	0	0	0	0	0	0	0	0	0	0
Textile finishing & calendering	0	0	0	0	0	0	0	0	0	0	0
Inspect,test,grad&sampl occs, tex proc	0	0	0	0	0	0	0	0	0	0	0
Labour&oth elemental work:textile proc	0	0	0	0	0	0	0	0	0	0	0
Textile processing, nec	0	0	0	0	0	0	0	0	0	0	0
Other Processing Occupations	0	0	0	0	0	0	0	0	0	1	0
Foremen/women:oth processing	0	0	0	0	0	0	0	0	0	0	0
Tobacco processing	0	0	0	0	0	0	0	0	0	0	0
Hide & pelt processing	0	0	0	0	0	0	0	0	0	0	0
Insp,test,grad&sampl occs:process nec	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2002-10**	**2011-25**
				Impact														**Average Impact**	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
act	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0.001	0.001	0.001	0.001	0.001
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

	Yukon Occupation Impact Debt	2002-07	2008-12	2013-25	2000	2001	2002	2003	2004	2005	2006	2007
	Labouring&oth elemental work:oth proc	0	0	0	0	0	0	0	0	0	0	0
	Oth processing, nec	0	0	0	0	0	0	0	0	0	0	0
Machining	MACHINING & RELATED	55	13	10	0	0	1	1	19	70	153	86
	Metal Machining Occupations	5	1	1	0	0	0	0	2	6	12	7
	Foremen/women:Metal machining	1	0	0	0	0	0	0	0	1	1	1
	Tool & die making	0	0	0	0	0	0	0	0	0	1	1
	Machinist & machine tool setting-up	3	1	0	0	0	0	0	1	4	8	5
	Machine tool operating	1	0	0	0	0	0	0	0	1	2	1
	Inspect,test,grad&sampl occs:metal mach	0	0	0	0	0	0	0	0	0	0	0
	Metal machining, nec	0	0	0	0	0	0	0	0	0	0	0
	Metal Shaping & Forming Occupations,	46	11	8	0	0	0	0	16	59	130	72
	Except Machining	0	0	0								
	Foremn/wn:metal shap&form, ex machining	3	1	1	0	0	0	0	1	4	10	5
	Forging	0	0	0	0	0	0	0	0	0	1	0
	Sheet metal workers	18	3	2	0	0	0	0	6	23	51	28
	Metalworking-machine operators, nec	1	0	0	0	0	0	0	0	1	2	1
	Welding & flame cutting	21	6	5	0	0	0	0	7	27	59	33
	Inspect,test,grad&sampl:metal shap&form	0	0	0	0	0	0	0	0	0	1	1
	Boilermkrs, platers & struct metal wkrs	2	0	0	0	0	0	0	1	3	6	3
	Metal shap&form occs, ex machining, nec	1	0	0	0	0	0	0	0	1	1	1

Yukon and I
Employm
Standard Occ
Thousands

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	14	15	12	11	8	8	8	9	9	9	10	10	11	11	11	11	10	0.048	0.004
2	2	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0.003	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0.002	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	11	12	11	10	7	7	7	7	8	8	8	8	9	9	9	9	10	0.042	0.003
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.003	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	3	4	3	3	1	1	1	1	1	2	2	2	2	2	2	2	2	0.013	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	6	7	6	6	5	5	5	5	5	5	5	5	6	6	6	6	6	0.015	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.001	0.001	0.019	0.07	0.153	0.086	0.013	0.014	0.015	0.012	0.011
0	0	0	0	0.002	0.006	0.012	0.007	0.002	0.002	0.001	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0.001	0.001	0	0	0	0	0
0	0	0	0	0.001	0.004	0.008	0.005	0.001	0.001	0.001	0	0
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.016	0.059	0.13	0.072	0.01	0.011	0.012	0.011	0.01
0	0	0	0	0.001	0.004	0.01	0.005	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0.006	0.023	0.051	0.028	0.003	0.003	0.004	0.003	0.003
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0.007	0.027	0.059	0.033	0.005	0.006	0.007	0.006	0.006
0	0	0	0	0	0	0.001	0.001	0	0	0	0	0
0	0	0	0	0.001	0.003	0.006	0.003	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.008	0.008	0.008	0.009	0.009	0.009	0.01	0.01	0.011	0.011	0.011	0.011	0.01
0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0.001	0.001	0.001	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.009	0.01
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

			Average Impact (Employed)									
	Wood Machining Occupations	1	0	0	0	0	0	0	0	1	2	1
	Foremen/women:Wood machining	0	0	0	0	0	0	0	0	0	0	0
	Wood patternmaking	0	0	0	0	0	0	0	0	0	0	0
	Wood sawing & rltd, nec	0	0	0	0	0	0	0	0	0	1	0
	Plane,turn,shaping&rltd wood mach occs	0	0	0	0	0	0	0	0	0	1	1
	Inspect,test,grad&sampl occs:wood mach	0	0	0	0	0	0	0	0	0	0	0
	Wood sanding	0	0	0	0	0	0	0	0	0	0	0
	Wood machining, nec	0	0	0	0	0	0	0	0	0	0	0
	Clay, Glass Stone & Related Materials	2	1	1	0	0	0	0	1	2	5	3
	Machining Occupations	0	0	0								
	Foremn/wn:clay,glass,stne&rltd mat mach	0	0	0	0	0	0	0	0	0	1	0
	Cut&shaping:clay,glass,stne&rltd mat	1	0	0	0	0	0	0	0	1	3	2
	Abrad&polish:clay,glass,stne&rltd mat	1	0	0	0	0	0	0	0	1	1	1
	Insp,test,grad&sampl:clay,glass&stone	0	0	0	0	0	0	0	0	0	0	0
	Clay,glass,stone&rltd mat mach, nec	0	0	0	0	0	0	0	0	0	0	0
	Other Machining & Related	1	0	0	0	0	0	0	0	1	3	2
	Occupations, NEC	0	0	0								
	Foremn/wn:oth machining&rltd occs, nec	0	0	0	0	0	0	0	0	0	0	0
	Engravers, etchers & rltd occs, nec	0	0	0	0	0	0	0	0	0	0	0
	Filing, grind, buff, clean&polish, nec	1	0	0	0	0	0	0	0	1	1	1
	Patternmakers & mouldmakers, nec	0	0	0	0	0	0	0	0	0	0	0
	Insp,test,grad&sampl:oth machining,nec	0	0	0	0	0	0	0	0	0	0	0
	Oth machining & rltd, nec	0	0	0	0	0	0	0	0	0	0	0
Fabricating	PRODUCT FABRICATING, ASSEMBLING &	157	119	135	0	0	10	18	63	196	386	269
	REPAIRING	0	0	0								
	Fabricating & Assembling Occupations:	6	4	3	0	0	0	0	2	8	17	11
	Metal Products NEC	0	0	0								

Impact

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	127	126	110	107	101	102	106	112	116	123	131	141	151	160	161	171	178	0.089	0.014
4	4	4	3	3	2	2	2	2	2	3	3	3	3	3	3	3	3	0.004	0

0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.002	0.005	0.003	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0.001	0.003	0.002	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.003	0.002	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.01	0.018	0.063	0.196	0.386	0.269	0.125	0.127	0.126	0.11	0.107
0	0	0	0	0.002	0.008	0.017	0.011	0.004	0.004	0.004	0.003	0.003

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	-0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	-0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.101	0.102	0.106	0.112	0.116	0.123	0.131	0.141	0.151	0.16	0.161	0.171	0.178
0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003

Foremn/wn:Fabric&assembl,metal prod,nec	1	0	0	0	0	0	0	0	1	2	1
Engine&rltd eqpt fabric&assembling, nec	0	0	0	0	0	0	0	0	0	0	0
Motor vehicle fabric & assembling, nec	1	1	1	0	0	0	0	0	1	2	1
Aircraft fabric & assembling occs, nec	0	0	0	0	0	0	0	0	0	1	1
Mechanized eqpt fabric & assmbling, nec	2	0	0	0	0	0	0	1	3	6	3
Business&commer mach fabric&assmbl, nec	0	0	0	0	0	0	0	0	0	0	0
Insp,test,grad&sampl:fbric&assmbl nec	1	1	1	0	0	0	0	0	1	2	2
Precision instrum&rltd fbric&assmbl,nec	0	0	0	0	0	0	0	0	0	0	0
Labour&oth elem work:fabric&assembl nec	0	0	0	0	0	0	0	0	0	0	0
Oth fabric & assembling:metal prod, nec	1	0	0	0	0	0	0	0	2	4	2

Yukon Occupation Impact Debt	**2002-07**	**2008-12 Average Impact (Employed)**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
Fabricating, Assembling, Installing &	41	13	9	0	0	1	2	15	53	111	65
Repairing Occupations: Electrical,	0	0	0								
Electronic & Related Equipment	0	0	0								
Foremn/wmn:fabric&assemb:elec&rltd eqpt	2	1	0	0	0	0	0	1	3	6	3
Electrical & rltd eqpt fabric & assembl	3	0	0	0	0	0	0	1	3	7	4
Electrical&rltd eqpt install&repair,nec	28	8	7	0	0	0	1	10	35	76	43
Electronic & rltd eqpt fabric & assembl	1	0	0	0	0	0	0	0	1	3	2
Electronic&rltd eqpt install&repair,nec	6	2	-1	0	0	0	1	2	7	14	9
Inspect etc:fabric&rltd,elect&rltd eqpt	1	0	0	0	0	0	0	0	1	1	1
Radio & television repairers	2	2	3	0	0	0	0	1	2	4	3
Labour&oth:fabric&rltd, elect&rltd eqpt	0	0	0	0	0	0	0	0	0	1	0
Fabric&rltd:electrical&rltd eqpt, nec	0	0	0	0	0	0	0	0	0	1	0
Fabricating, Assembling & Repairing	16	4	3	0	0	0	0	5	20	44	25
Occupations: Wood Products	0	0	0								
Foremn/wn:fabri,assemb&repair:wood prod	2	1	0	0	0	0	0	1	3	6	3
Cabinet & wood furniture makers	12	3	2	0	0	0	0	4	15	33	19
Insp&rltd:fabric,assembl&repair, wood	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2002-10**	**2011-25**
				Impact														**Average Impact**	
14	15	15	12	11	8	8	8	9	9	9	10	10	10	11	9	10	9	0.033	0.002
1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0
0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0
7	8	9	8	7	5	5	5	6	6	6	6	7	7	8	8	8	9	0.019	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
3	3	2	1	1	1	0	0	0	0	0	0	0	-1	-1	-2	-3	-4	0.003	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	2	2	2	2	2	2	2	3	3	3	3	3	4	4	4	4	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	4	4	4	4	2	2	3	3	3	3	3	3	4	4	4	4	5	0.014	0
0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0.002	0
3	3	3	3	3	2	2	2	2	2	2	2	2	3	3	3	3	3	0.008	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.001	0.001	0.001	0.001	0	0
0	0	0	0	0	0	0.001	0.001	0.001	0.001	0	0	0
0	0	0	0	0.001	0.003	0.006	0.003	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.002	0.004	0.002	0	0	0	0	0
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0.001	0.002	0.015	0.053	0.111	0.065	0.014	0.015	0.015	0.012	0.011
0	0	0	0	0.001	0.003	0.006	0.003	0.001	0.001	0.001	0.001	0
0	0	0	0	0.001	0.003	0.007	0.004	0	0	0.001	0	0
0	0	0	0.001	0.01	0.035	0.076	0.043	0.007	0.008	0.009	0.008	0.007
0	0	0	0	0	0.001	0.003	0.002	0	0	0	0	0
0	0	0	0.001	0.002	0.007	0.014	0.009	0.003	0.003	0.002	0.001	0.001
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0.001	0.002	0.004	0.003	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0.005	0.02	0.044	0.025	0.003	0.004	0.004	0.004	0.004
0	0	0	0	0.001	0.003	0.006	0.003	0	0.001	0.001	0.001	0
0	0	0	0	0.004	0.015	0.033	0.019	0.003	0.003	0.003	0.003	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

	2013	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
act													
	0.008	0.008	0.008	0.009	0.009	0.009	0.01	0.01	0.01	0.011	0.009	0.01	0.009
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.007	0.007	0.008	0.008	0.008	0.009
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.001	0	0	0	0	0	0	0	-0.001	-0.001	-0.002	-0.003	-0.004
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.005
	0	0	0	0	0	0	0	0	0	0.001	0.001	0.001	0.001
	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003
	0	0	0	0	0	0	0	0	0	0	0	0	0

Labour:fabric,assembl&repair,wood prods	1	0	0	0	0	0	0	0	1	1	1
Fabric, assembl&repair:wood prods, nec	1	0	0	0	0	0	0	0	1	3	2
Fabricating, Assembling & Repairing	12	14	19	0	0	2	3	6	15	25	21
Occupations: Textile, Fur & Leather	0	0	0								
Products	0	0	0								
Foremn/wn:fabri&rltd:tex,fur&leath prod	1	1	1	0	0	0	0	0	1	2	1
Patternmak,mark&cut:tex,fur&leath prod	0	0	0	0	0	0	0	0	0	1	0
Tailors & dressmakers	4	5	7	0	0	1	1	2	5	8	7
Furriers	0	0	0	0	0	0	0	0	0	0	0
Milliners, hat & cap makers	0	0	0	0	0	0	0	0	0	0	0
Shoemaking & repairing	1	1	2	0	0	0	0	1	2	3	2
Upholsterers	2	2	3	0	0	0	0	1	2	3	3
Sewing machine operators, textile mat	4	4	6	0	0	1	1	2	4	8	6
Inspect&rltd:fabric&rltd,tex,fur&leath	0	0	0	0	0	0	0	0	0	0	0
Labour:fabri,assmbl&repair,tex,fur&lthr	0	0	0	0	0	0	0	0	0	0	0
Fabric&rltd:tex,fur&leather prod, nec	1	0	0	0	0	0	0	0	1	1	1
Fabricating, Assembling & Repairing	2	-1	-3	0	0	0	1	1	3	4	2
Occupations: Rubber, Plastic &	0	0	0								
Related Products	0	0	0								
Foremn/wn:fabric&rltd:rubber&rltd prods	0	0	0	0	0	0	0	0	0	1	0
Bond&cementing:rubber,plastic&rltd prod	1	1	1	0	0	0	0	0	1	1	1
Moulding:Rubber, plastic&rltd products	0	-1	-1	0	0	0	0	0	1	1	0
Cut&finishing:rubber, plastic&rltd prod	0	0	0	0	0	0	0	0	0	0	0
Insp&rltd:fabric&rltd,rubber&rltd prod	0	0	0	0	0	0	0	0	0	0	0
Labour:fabri&rltd,rubbr,plast&rltd prod	0	0	-1	0	0	0	0	0	0	1	0
Fabri,assmb&repair:rbbr&rltd prods, nec	0	0	-1	0	0	0	0	0	1	1	0

Yukon Occupation Impact Debt	**2002-07**	**2008-12** **Average Impact** **(Employed)**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
Mechanics & Repairers, NEC	73	78	95	0	0	6	10	30	89	169	132
Foremen/women:Mechanics&repairers, nec	7	9	11	0	0	1	1	3	8	15	13
Motor vehicle mechanics & repairers	31	48	67	0	0	4	7	14	38	63	60
Aircraft mechanics & repairers	7	9	5	0	0	1	1	3	8	14	13

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
15	15	15	13	13	14	14	15	16	16	17	19	20	22	23	24	25	27	0.001	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	5	5	4	4	5	5	5	5	6	6	6	7	7	8	8	9	9	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	0.001	0.001
2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	4	4	0.001	0
5	5	4	4	4	4	4	4	5	5	5	6	6	6	7	7	7	8	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
0	0	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-3	-4	-6	-8	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	0	0
1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0
0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-2	-3	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-2	0	0
0	0	0	0	0	-1	-1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	0	0
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2002-10**	**2011-25**
				Impact														**Average Impact**	
81	83	82	73	72	70	71	74	78	81	85	91	98	105	112	115	124	131	0.034	0.011
9	9	9	8	8	8	8	9	9	9	10	11	11	12	13	14	15	16	0.003	0.002
48	49	49	46	46	47	48	50	53	55	59	63	69	74	80	84	92	99	0.012	0.009
12	12	10	7	6	5	4	4	5	5	5	5	5	6	5	5	4	4	0.005	0.002

0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.003	0.002	0	0	0	0	0
0	0	0.002	0.003	0.006	0.015	0.025	0.021	0.015	0.015	0.015	0.013	0.013
0	0	0	0	0	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0.001	0.001	0.002	0.005	0.008	0.007	0.005	0.005	0.005	0.004	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.002	0.003	0.002	0.002	0.002	0.001	0.001	0.001
0	0	0	0	0.001	0.002	0.003	0.003	0.002	0.002	0.002	0.002	0.002
0	0	0.001	0.001	0.002	0.004	0.008	0.006	0.005	0.005	0.004	0.004	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0.001	0.001	0.003	0.004	0.002	0	0	-0.001	-0.002	-0.002
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0	0
0	0	0	0	0	0.001	0.001	0	0	0	-0.001	-0.001	-0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0	0	0	0	0	0
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0.006	0.01	0.03	0.089	0.169	0.132	0.081	0.083	0.082	0.073	0.072
0	0	0.001	0.001	0.003	0.008	0.015	0.013	0.009	0.009	0.009	0.008	0.008
0	0	0.004	0.007	0.014	0.038	0.063	0.06	0.048	0.049	0.049	0.046	0.046
0	0	0.001	0.001	0.003	0.008	0.014	0.013	0.012	0.012	0.01	0.007	0.006

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.014	0.014	0.015	0.016	0.016	0.017	0.019	0.02	0.022	0.023	0.024	0.025	0.027
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.008	0.008	0.009	0.009
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003
0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.004	0.004	0.004
0.004	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.007	0.008
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001
-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	-0.004	-0.006	-0.008
0	0	0	0	0	0	0	0	0	0	-0.001	-0.001	-0.001
0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	-0.002	-0.003
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002
-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002

	2013	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
ıact													
	0.07	0.071	0.074	0.078	0.081	0.085	0.091	0.098	0.105	0.112	0.115	0.124	0.131
	0.008	0.008	0.009	0.009	0.009	0.01	0.011	0.011	0.012	0.013	0.014	0.015	0.016
	0.047	0.048	0.05	0.053	0.055	0.059	0.063	0.069	0.074	0.08	0.084	0.092	0.099
	0.005	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.006	0.005	0.005	0.004	0.004

	Rail transport eqpt mechanics&repairers	0	0	0	0	0	0	0	0	0	1	0
	Indust,farm&construc mach mechncs&reprs	23	7	7	0	0	0	0	8	29	63	36
	Business&commercial mach mechncs&reprs	2	0	-1	0	0	0	0	1	2	4	2
	Inspecting & rltd:eqpt repair, nec	0	0	0	0	0	0	0	0	0	0	0
	Watch & clock repairers	0	1	1	0	0	0	0	0	0	1	1
	Precision instrument mechncs&repairers	0	1	1	0	0	0	0	0	0	1	1
	Oth mechanics & repairers, nec	3	3	3	0	0	0	0	1	4	7	5
	Other Product Fabricating, Assembling &	7	7	8	0	0	1	1	3	9	15	12
	Repairing Occupations	0	0	0								
	Foremn/wmn:oth prod fabric,assmbl&repr	1	0	0	0	0	0	0	0	1	3	2
	Jewellery&silverware fabric,assmbl&repr	1	1	1	0	0	0	0	0	1	1	1
	Marine craft fabric, assembl&repair	1	0	0	0	0	0	0	0	1	2	1
	Paper product fabricating & assembling	1	0	0	0	0	0	0	0	1	1	1
	Painting & decorating, nec	2	4	5	0	0	0	1	1	3	4	5
	Inspct&rltd:oth prod fabric,assmbl&repr	0	0	0	0	0	0	0	0	0	0	0
	Labour:oth prod fabricat,assembl&repair	0	0	0	0	0	0	0	0	0	0	0
	Oth prod fabricat, assmbl & repair, nec	1	1	1	0	0	0	0	1	2	3	2
Constructic	CONSTRUCTION TRADES	1128	206	129	0	0	2	4	382	1442	3195	1745
	Excavating, Grading, Paving &	118	30	26	0	0	1	1	40	149	330	185
	Related Occupations	0	0	0								
	Foremn/wn:Excavating,grading,pav&rltd	19	5	4	0	0	0	0	6	24	53	30
	Excavating, grading & rltd	65	17	14	0	0	0	0	22	82	183	102
	Paving, surfacing & rltd	14	3	2	0	0	0	0	5	18	40	22
	Railway section & track workers	0	0	0	0	0	0	0	0	0	1	0
	Labour:excavat,grading,paving&rltd act	12	4	4	0	0	0	0	4	16	34	20
	Excavating,grading,pav&rltd occs, nec	7	2	1	0	0	0	0	2	9	20	11
	Electrical Power, Lighting & Wire	121	24	15	0	0	0	1	41	155	342	188
	Communications Equipment Erecting,	0	0	0								
	Installing & Repairing Occupations	0	0	0								
	Foremn/wmn:elec pwr,erect,install&repr	16	3	1	0	0	0	0	5	20	45	24
	Electrical power line workers & rltd	5	1	1	0	0	0	0	2	6	13	7

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	7	8	7	7	6	6	6	6	6	6	7	7	7	8	7	8	8	0.017	0.004
1	1	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-2	-2	-3	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	0.002	0.001
7	7	7	6	6	6	6	6	7	7	7	8	9	9	10	10	10	11	0.002	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	0	0
4	4	4	4	4	4	4	4	4	5	5	5	6	6	6	7	7	8	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0
171	205	243	211	199	97	100	104	109	113	119	126	133	141	149	154	163	170	1.043	0.027
27	30	34	31	30	20	21	21	22	23	24	26	27	28	30	31	32	34	0.106	0.007
4	5	6	5	5	3	3	4	4	4	4	4	5	5	5	5	5	6	0.014	0.002
14	16	19	17	17	11	12	12	12	13	13	14	14	15	16	16	17	17	0.047	0.007
2	3	3	3	3	1	1	1	1	2	2	2	2	2	2	2	2	3	0.01	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	4	5	4	4	3	3	3	3	4	4	4	5	5	5	5	6	6	0.009	0.001
1	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	0.005	0.001
20	24	28	24	23	12	12	12	13	13	14	15	15	16	17	16	17	18	0.11	0.004
2	3	3	3	3	1	1	1	1	1	1	1	1	2	2	2	2	2	0.011	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.003	0

0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0.008	0.029	0.063	0.036	0.007	0.007	0.008	0.007	0.007
0	0	0	0	0.001	0.002	0.004	0.002	0.001	0.001	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0.001	0.004	0.007	0.005	0.003	0.003	0.003	0.003	0.003
0	0	0.001	0.001	0.003	0.009	0.015	0.012	0.007	0.007	0.007	0.006	0.006
0	0	0	0	0	0.001	0.003	0.002	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0.001	0.001	0.003	0.004	0.005	0.004	0.004	0.004	0.004	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0.002	0.004	0.382	1.442	3.195	1.745	0.171	0.205	0.243	0.211	0.199
0	0	0.001	0.001	0.04	0.149	0.33	0.185	0.027	0.03	0.034	0.031	0.03
0	0	0	0	0.006	0.024	0.053	0.03	0.004	0.005	0.006	0.005	0.005
0	0	0	0	0.022	0.082	0.183	0.102	0.014	0.016	0.019	0.017	0.017
0	0	0	0	0.005	0.018	0.04	0.022	0.002	0.003	0.003	0.003	0.003
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0.004	0.016	0.034	0.02	0.004	0.004	0.005	0.004	0.004
0	0	0	0	0.002	0.009	0.02	0.011	0.001	0.002	0.002	0.002	0.002
0	0	0	0.001	0.041	0.155	0.342	0.188	0.02	0.024	0.028	0.024	0.023
0	0	0	0	0.005	0.02	0.045	0.024	0.002	0.003	0.003	0.003	0.003
0	0	0	0	0.002	0.006	0.013	0.007	0.001	0.001	0.001	0.001	0.001

0	0	0	0	0	0	0	0	0	0	0	0	0
0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.008	0.007	0.008	0.008
0	0	0	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	-0.002	-0.003
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004
0.006	0.006	0.006	0.007	0.007	0.007	0.008	0.009	0.009	0.01	0.01	0.01	0.011
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	-0.001	-0.001
0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.008
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.097	0.1	0.104	0.109	0.113	0.119	0.126	0.133	0.141	0.149	0.154	0.163	0.17
0.02	0.021	0.021	0.022	0.023	0.024	0.026	0.027	0.028	0.03	0.031	0.032	0.034
0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.006
0.011	0.012	0.012	0.012	0.013	0.013	0.014	0.014	0.015	0.016	0.016	0.017	0.017
0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0
0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.006	0.006
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
0.012	0.012	0.012	0.013	0.013	0.014	0.015	0.015	0.016	0.017	0.016	0.017	0.018
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

Construction electricians & repairers	90	16	9	0	0	0	0	30	115	256	139
Wire communicatn&rltd eqpt install&repr	8	3	2	0	0	0	0	3	10	21	12
Insp&rltd:elec pow,erect,install&repr	1	0	0	0	0	0	0	0	1	2	1
Labour:elec power, erect,install&repair	1	0	0	0	0	0	0	0	1	3	2
Elec pow&wire comms eqpt erect&rltd,nec	1	0	0	0	0	0	0	0	1	3	2

Yukon Occupation Impact Debt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
		Average Impact (Employed)									
Other Construction Trades Occupations	889	152	88	0	0	1	2	301	1137	2522	1373
Foremen/women:oth construction trades	133	22	12	0	0	0	0	45	170	378	205
Carpenters & rltd	237	38	21	0	0	0	0	80	303	672	365
Brick & stone masons & tile setters	49	8	4	0	0	0	0	16	62	138	75
Concrete finishing & rltd	13	2	1	0	0	0	0	4	17	38	20
Plasterers & rltd	44	7	4	0	0	0	0	15	56	125	68
Painters, paperhangers & rltd	77	12	7	0	0	0	0	26	98	217	118
Insulating, construction	10	2	1	0	0	0	0	3	13	29	16
Roofing, waterproofing & rltd	34	5	3	0	0	0	0	11	43	96	52
Pipefitting, plumbing & rltd	83	15	9	0	0	0	0	28	106	235	128
Structural metal erectors	10	2	1	0	0	0	0	3	13	28	15
Glaziers	12	3	2	0	0	0	0	4	15	33	19
Inspect,testng,gradng&smplng:oth constr	4	3	3	0	0	0	0	1	5	11	7
Labouring:oth construction trades	118	19	10	0	0	0	0	40	152	336	182
Oth construction trades, nec	67	14	11	0	0	0	0	23	85	188	104
Transport I TRANSPORT EQUIPMENT OPERATING	104	94	101	0	0	8	13	46	135	242	178
Air Transport Operating Occupations	13	19	9	0	0	1	2	6	16	28	27
Foremen/women:Air transport operating	1	2	1	0	0	0	0	0	1	2	2
Air pilots, navigators&flight engineers	7	10	5	0	0	1	1	3	9	15	15
Air transport operating support	4	5	2	0	0	0	1	2	4	7	7
Air transport operating, nec	2	2	1	0	0	0	0	1	2	3	3
Railway Transport Operating Occupations	0	0	0	0	0	0	0	0	0	1	0
Foremn/wmn:Railway transport operating	0	0	0	0	0	0	0	0	0	0	0
Locomotive operating	0	0	0	0	0	0	0	0	0	0	0

13	16	19	16	16	7	8	8	8	8	9	9	10	10	11	11	12	12	0.065	0.003
3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	0.005	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2002-10**	**2011-25**
				Impact														**Average Impact**	
124	151	181	156	146	65	67	70	74	77	81	86	91	96	103	106	113	119	0.826	0.016
18	22	26	22	21	9	9	9	10	10	11	12	12	13	14	15	16	17	0.095	0.002
31	38	46	39	37	15	15	16	17	18	19	20	21	23	24	25	27	28	0.169	0.003
6	8	9	8	7	3	3	3	3	3	4	4	4	4	5	5	5	6	0.035	0.001
2	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	0.009	0
6	7	8	7	7	3	3	3	3	3	3	3	4	4	4	4	5	5	0.032	0
10	12	15	13	12	5	5	5	6	6	6	6	7	7	8	8	8	9	0.055	0.001
1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0.007	0
4	5	6	5	5	2	2	2	2	2	2	3	3	3	3	3	4	4	0.024	0
12	15	18	16	15	7	8	8	8	8	9	9	10	10	11	11	12	12	0.06	0.003
1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.007	0
2	3	3	3	3	2	2	2	2	2	2	2	2	3	3	3	3	3	0.008	0
2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0.003	0.003
15	19	23	20	18	7	8	8	8	9	9	10	10	11	12	12	13	14	0.085	0.002
12	14	16	14	14	8	8	9	9	9	10	10	11	12	12	13	14	14	0.048	0.003
108	106	98	81	75	70	72	76	81	85	92	100	108	116	123	123	129	132	0.038	0.004
25	24	20	14	11	9	9	9	9	9	10	10	11	11	11	10	8	7	0	0
2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0
14	13	11	8	6	5	5	5	5	5	5	6	6	6	6	5	5	4	0.006	0.003
7	6	5	4	3	2	2	2	2	2	3	3	3	3	3	3	2	2	0.003	0.001
3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0.03	0.115	0.256	0.139	0.013	0.016	0.019	0.016	0.016
0	0	0	0	0.003	0.01	0.021	0.012	0.003	0.003	0.003	0.003	0.003
0	0	0	0	0	0.001	0.002	0.001	0	0	0	0	0
0	0	0	0	0	0.001	0.003	0.002	0	0	0	0	0
0	0	0	0	0	0.001	0.003	0.002	0	0	0	0	0
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0.001	0.002	0.301	1.137	2.522	1.373	0.124	0.151	0.181	0.156	0.146
0	0	0	0	0.045	0.17	0.378	0.205	0.018	0.022	0.026	0.022	0.021
0	0	0	0	0.08	0.303	0.672	0.365	0.031	0.038	0.046	0.039	0.037
0	0	0	0	0.016	0.062	0.138	0.075	0.006	0.008	0.009	0.008	0.007
0	0	0	0	0.004	0.017	0.038	0.02	0.002	0.002	0.003	0.002	0.002
0	0	0	0	0.015	0.056	0.125	0.068	0.006	0.007	0.008	0.007	0.007
0	0	0	0	0.026	0.098	0.217	0.118	0.01	0.012	0.015	0.013	0.012
0	0	0	0	0.003	0.013	0.029	0.016	0.001	0.002	0.002	0.002	0.002
0	0	0	0	0.011	0.043	0.096	0.052	0.004	0.005	0.006	0.005	0.005
0	0	0	0	0.028	0.106	0.235	0.128	0.012	0.015	0.018	0.016	0.015
0	0	0	0	0.003	0.013	0.028	0.015	0.001	0.002	0.002	0.002	0.001
0	0	0	0	0.004	0.015	0.033	0.019	0.002	0.003	0.003	0.003	0.003
0	0	0	0	0.001	0.005	0.011	0.007	0.002	0.003	0.003	0.003	0.003
0	0	0	0	0.04	0.152	0.336	0.182	0.015	0.019	0.023	0.02	0.018
0	0	0	0	0.023	0.085	0.188	0.104	0.012	0.014	0.016	0.014	0.014
0	0	0.008	0.013	0.046	0.135	0.242	0.178	0.108	0.106	0.098	0.081	0.075
0	0	0.001	0.002	0.006	0.016	0.028	0.027	0.025	0.024	0.02	0.014	0.011
0	0	0	0	0	0.001	0.002	0.002	0.002	0.002	0.002	0.001	0.001
0	0	0.001	0.001	0.003	0.009	0.015	0.015	0.014	0.013	0.011	0.008	0.006
0	0	0	0.001	0.002	0.004	0.007	0.007	0.007	0.006	0.005	0.004	0.003
0	0	0	0	0.001	0.002	0.003	0.003	0.003	0.002	0.002	0.001	0.001
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

0.007	0.008	0.008	0.008	0.008	0.009	0.009	0.01	0.01	0.011	0.011	0.012	0.012
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

act

2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
0.065	0.067	0.07	0.074	0.077	0.081	0.086	0.091	0.096	0.103	0.106	0.113	0.119
0.009	0.009	0.009	0.01	0.01	0.011	0.012	0.012	0.013	0.014	0.015	0.016	0.017
0.015	0.015	0.016	0.017	0.018	0.019	0.02	0.021	0.023	0.024	0.025	0.027	0.028
0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.006
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002
0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.005	0.005
0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.007	0.007	0.008	0.008	0.008	0.009
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.004
0.007	0.008	0.008	0.008	0.008	0.009	0.009	0.01	0.01	0.011	0.011	0.012	0.012
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003
0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
0.007	0.008	0.008	0.008	0.009	0.009	0.01	0.01	0.011	0.012	0.012	0.013	0.014
0.008	0.008	0.009	0.009	0.009	0.01	0.01	0.011	0.012	0.012	0.013	0.014	0.014
0.07	0.072	0.076	0.081	0.085	0.092	0.1	0.108	0.116	0.123	0.123	0.129	0.132
0.009	0.009	0.009	0.009	0.009	0.01	0.01	0.011	0.011	0.011	0.01	0.008	0.007
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.005	0.005	0.004
0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

Conductors & brake workers, railway	0	0	0	0	0	0	0	0	0	0	0
Railway transport operating support	0	0	0	0	0	0	0	0	0	0	0
Railway transport operating, nec	0	0	0	0	0	0	0	0	0	0	0
Water Transport Operating Occupations	1	1	1	0	0	0	0	1	2	2	2
Deck officers	1	0	0	0	0	0	0	0	1	1	1
Engineering officers, ship	0	0	0	0	0	0	0	0	0	0	0
Deck crew, ship	0	0	0	0	0	0	0	0	0	1	0
Engine & boiler-room crew, ship	0	0	0	0	0	0	0	0	0	0	0
Water transport operating, nec	0	0	0	0	0	0	0	0	0	0	0
Motor Transport Operating Occupations	88	72	89	0	0	7	11	39	116	209	147
Foremen/women:Motor transport operating	3	3	3	0	0	0	0	1	4	6	4
Bus drivers	15	26	36	0	0	2	3	7	18	31	30
Taxi drivers & chauffeurs	8	14	19	0	0	1	1	4	10	17	16
Truck drivers	59	28	27	0	0	4	6	26	80	149	91
Motor transport operating, nec	3	3	3	0	0	0	0	1	4	6	5

Yukon Occupation Impact Debt	**2002-07**	**2008-12 Average Impact (Employed)**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
Other Transport Equipment	1	1	1	0	0	0	0	0	1	3	2
Operating Occupations	0	0	0								
Foremn/wmn:oth transport eqpt operating	0	0	0	0	0	0	0	0	0	1	0
Subway & street railway operating	0	0	0	0	0	0	0	0	0	0	0
Rail vehicle oper, ex rail transport	0	0	0	0	0	0	0	0	0	0	0
Oth transport eqpt operating, nec	1	1	1	0	0	0	0	0	1	1	1
Material H MATERIAL HANDLING & RELATED, N.E.C.	31	22	22	0	0	2	4	13	40	75	52
Foremen/women:mat handling&rltd,nec	2	2	1	0	0	0	0	1	2	4	3
Hoisting, nec	9	1	1	0	0	0	0	3	11	24	13
Longshore wkr,stevedore,freight handlrs	5	5	5	0	0	0	1	2	6	11	9
Parcel carriers, nec	1	1	1	0	0	0	0	0	1	1	1
Material handling eqpt operators, nec	5	2	2	0	0	0	0	2	6	12	7

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	80	76	65	62	60	62	65	70	74	80	87	95	102	109	111	117	122	0.037	0.004
3	3	3	2	2	2	2	2	2	2	3	3	3	3	4	4	4	4	0.002	0.001
28	28	26	23	23	24	25	26	28	30	32	35	38	41	44	46	49	52	0.009	0.012
15	15	14	13	12	13	13	14	15	16	17	19	20	22	24	25	26	28	0.005	0.006
31	31	30	25	23	19	20	21	22	23	25	27	30	32	34	33	35	35	0.037	0.011
3	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	0.002	0.001

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-10	2011-25
				Impact														Average Impact	
1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0
24	24	23	20	18	17	17	18	19	20	21	22	24	25	27	26	27	27	0.016	0.002
2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	0.001	0.001
1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.006	0
6	6	5	4	4	3	4	4	4	4	4	5	5	5	5	5	5	6	0.003	0.002
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	0	0
2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	0.003	0.001

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.007	0.011	0.039	0.116	0.209	0.147	0.079	0.08	0.076	0.065	0.062
0	0	0	0	0.001	0.004	0.006	0.004	0.003	0.003	0.003	0.002	0.002
0	0	0.002	0.003	0.007	0.018	0.031	0.03	0.028	0.028	0.026	0.023	0.023
0	0	0.001	0.001	0.004	0.01	0.017	0.016	0.015	0.015	0.014	0.013	0.012
0	0	0.004	0.006	0.026	0.08	0.149	0.091	0.031	0.031	0.03	0.025	0.023
0	0	0	0	0.001	0.004	0.006	0.005	0.003	0.003	0.003	0.002	0.002
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0	0	0	0.001	0.003	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0
0	0	0.002	0.004	0.013	0.04	0.075	0.052	0.024	0.024	0.023	0.02	0.018
0	0	0	0	0.001	0.002	0.004	0.003	0.002	0.002	0.002	0.001	0.001
0	0	0	0	0.003	0.011	0.024	0.013	0.001	0.001	0.002	0.001	0.001
0	0	0	0.001	0.002	0.006	0.011	0.009	0.006	0.006	0.005	0.004	0.004
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0.002	0.006	0.012	0.007	0.002	0.002	0.002	0.002	0.002

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.06	0.062	0.065	0.07	0.074	0.08	0.087	0.095	0.102	0.109	0.111	0.117	0.122
0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004
0.024	0.025	0.026	0.028	0.03	0.032	0.035	0.038	0.041	0.044	0.046	0.049	0.052
0.013	0.013	0.014	0.015	0.016	0.017	0.019	0.02	0.022	0.024	0.025	0.026	0.028
0.019	0.02	0.021	0.022	0.023	0.025	0.027	0.03	0.032	0.034	0.033	0.035	0.035
0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004

act

2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.017	0.017	0.018	0.019	0.02	0.021	0.022	0.024	0.025	0.027	0.026	0.027	0.027
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.003	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.006
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002
0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002

	Packaging, nec	6	7	9	0	0	1	2	3	8	13	11
	Labouring:mat handling&rltd act,nec	4	4	4	0	0	0	1	2	6	9	6
	Oth material handling & rltd occs, nec	1	0	0	0	0	0	0	0	1	1	1
	OTHER CRAFTS & EQUIPMENT											
Other Craf	OPERATING	38	38	40	0	0	4	7	18	49	86	64
	Printing & Related Occupations	23	15	14	0	0	3	6	13	32	49	35
	Foremen/women:Printing & rltd	2	1	1	0	0	0	0	1	3	4	3
	Typesetting & composing	3	2	1	0	0	0	1	2	4	6	4
	Printing press	8	5	5	0	0	1	2	4	11	17	12
	Stereotyping & electrotyping	0	0	0	0	0	0	0	0	0	0	0
	Printing engraving, except photoengrav	1	1	1	0	0	0	0	1	2	2	2
	Photoengraving & rltd	1	0	0	0	0	0	0	0	1	1	1
	Bookbinding & rltd	3	2	2	0	0	0	1	2	4	6	5
	Labouring:Printing & rltd activities	1	1	1	0	0	0	0	1	2	3	2
	Printing & rltd, nec	4	2	2	0	0	1	1	2	5	8	6
	Stationary Engine & Utilities Equipment	11	18	22	0	0	0	1	3	11	27	21
	Operating & Related Occupations	0	0	0								
	Foremn/wmn:Stationary eng&util eqpt opr	2	3	3	0	0	0	0	1	2	5	3
	Power station operators	1	1	1	0	0	0	0	0	1	2	1
	Stationary eng&utility eqpt op&rltd,nec	8	15	18	0	0	0	0	2	8	20	16
	Electronic & Related Communications	2	2	2	0	0	0	0	1	2	4	3
	Equipment Operating Occupations, NEC	0	0	0								
	Foremn/wmn:elect&rltd comms eqpt op,nec	0	0	0	0	0	0	0	0	0	0	0
	Radio & tv broadcasting eqpt operators	1	1	1	0	0	0	0	0	1	2	2
	Telegraph operators	0	0	0	0	0	0	0	0	0	0	0
	Sound&video recording&reprod eqpt oper	0	0	0	0	0	0	0	0	0	1	0
	Motion picture projectionists	0	0	0	0	0	0	0	0	0	0	0
	Oth electronic&rltd comm eqpt oper, nec	0	0	0	0	0	0	0	0	0	0	0
	Other Crafts & Equipment Operating	3	3	3	0	0	0	1	2	4	6	5
	Occupations, NEC	0	0	0								

8	8	8	7	6	6	7	7	7	8	8	9	9	10	11	10	11	11	0.002	0.002
4	4	4	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	41	39	34	33	34	35	35	36	37	39	40	43	45	46	43	45	44	0.011	0.017
21	19	16	11	9	9	10	11	11	12	13	14	16	18	18	16	18	17	0	0
2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	0.001	0.001
3	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	0.001	0.001
7	7	6	4	3	3	4	4	4	4	5	5	6	6	7	6	7	6	0.004	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0.001	0
1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0
3	3	2	2	1	1	2	2	2	2	2	2	2	3	3	3	3	3	0.002	0.001
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0
3	3	3	2	1	1	2	2	2	2	2	2	3	3	3	2	3	2	0.002	0.001
15	17	18	19	20	21	21	21	21	21	21	22	22	22	22	22	22	22	0.01	0.016
2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0.002	0.002
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.001	0.001
13	14	15	16	17	18	18	18	18	18	18	18	18	18	18	18	18	18	0.008	0.014
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	3	3	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	0	0

0	0	0.001	0.002	0.003	0.008	0.013	0.011	0.008	0.008	0.008	0.007	0.006
0	0	0	0.001	0.002	0.006	0.009	0.006	0.004	0.004	0.004	0.003	0.003
0	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0
0	0	0.004	0.007	0.018	0.049	0.086	0.064	0.041	0.041	0.039	0.034	0.033
0	0	0.003	0.006	0.013	0.032	0.049	0.035	0.021	0.019	0.016	0.011	0.009
0	0	0	0	0.001	0.003	0.004	0.003	0.002	0.002	0.001	0.001	0.001
0	0	0	0.001	0.002	0.004	0.006	0.004	0.003	0.002	0.002	0.001	0.001
0	0	0.001	0.002	0.004	0.011	0.017	0.012	0.007	0.007	0.006	0.004	0.003
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.001	0.002	0.002	0.002	0.001	0.001	0.001	0	0
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0	0	0
0	0	0	0.001	0.002	0.004	0.006	0.005	0.003	0.003	0.002	0.002	0.001
0	0	0	0	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0.001	0.001	0.002	0.005	0.008	0.006	0.003	0.003	0.003	0.002	0.001
0	0	0	0.001	0.003	0.011	0.027	0.021	0.015	0.017	0.018	0.019	0.02
0	0	0	0	0.001	0.002	0.005	0.003	0.002	0.002	0.003	0.003	0.003
0	0	0	0	0	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0.002	0.008	0.02	0.016	0.013	0.014	0.015	0.016	0.017
0	0	0	0	0.001	0.002	0.004	0.003	0.002	0.002	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.001	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0.001	0.002	0.004	0.006	0.005	0.003	0.003	0.003	0.002	0.002

0.006	0.007	0.007	0.007	0.008	0.008	0.009	0.009	0.01	0.011	0.01	0.011	0.011
0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004
0	0	0	0	0	0	0	0	0	0	0	0	0
0.034	0.035	0.035	0.036	0.037	0.039	0.04	0.043	0.045	0.046	0.043	0.045	0.044
0.009	0.01	0.011	0.011	0.012	0.013	0.014	0.016	0.018	0.018	0.016	0.018	0.017
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.002	0.002
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.001
0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.006	0.006	0.007	0.006	0.007	0.006
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0.001	0.001	0	0.001	0.001
0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.002	0.003	0.002
0.021	0.021	0.021	0.021	0.021	0.021	0.022	0.022	0.022	0.022	0.022	0.022	0.022
0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003

Foremen/women:Oth crafts&eqpt oper, nec	0	0	0	0	0	0	0	0	0	0	0
Photographic processing	3	2	2	0	0	0	1	1	4	6	4
Oth crafts & eqpt operating occs, nec	0	0	0	0	0	0	0	0	0	0	0

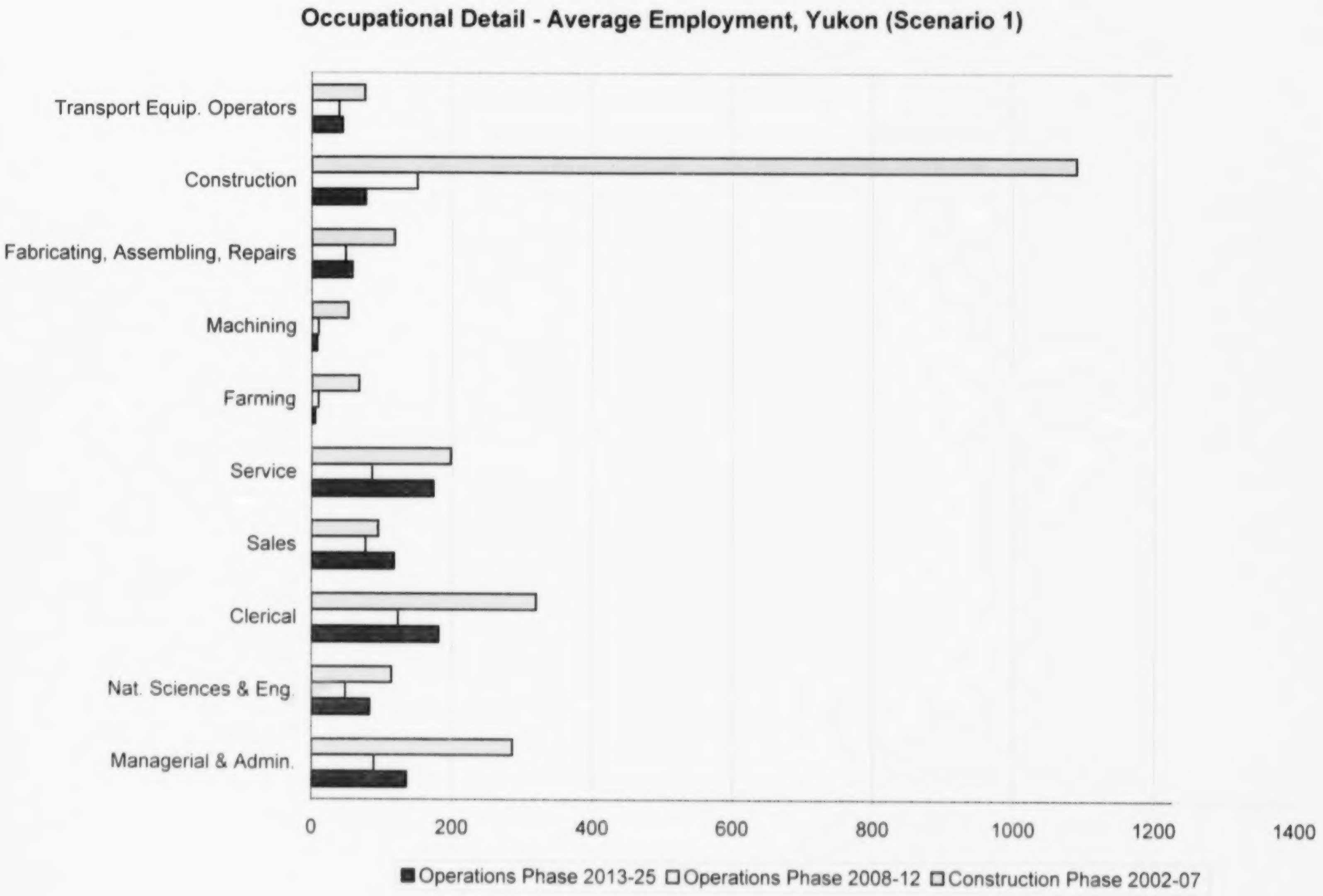
	Yukon Occupation Impact Debt	**2002-07**	**2008-12**	**2013-25**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
			Average Impact **(Employed)**									
N.E.C.	OCCUPATIONS NEC	63	27	21	0	0	2	4	24	80	168	101
	Supervisors & foremen/women, nec	3	2	1	0	0	0	0	1	4	8	5
	Inspecting,testing,grading&sampling,nec	0	0	0	0	0	0	0	0	0	0	0
	Labouring & oth elemental work, nec	46	16	12	0	0	1	2	17	59	125	73
	Oth occupations, nec	14	9	8	0	0	1	1	6	17	35	23

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	3	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2002-10**	**2011-25**
				Impact														**Average Impact**	
28	29	29	24	23	19	19	19	20	20	21	22	23	24	24	22	22	20	0.047	0.008
2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.002	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	18	18	15	14	11	11	11	11	12	12	13	13	14	14	13	13	11	0.032	0.008
10	10	9	8	8	7	7	7	7	7	8	8	8	9	9	8	8	7	0.009	0.005

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0.001	0.001	0.004	0.006	0.004	0.003	0.003	0.002	0.002	0.002
0	0	0	0	0	0	0	0	0	0	0	0	0

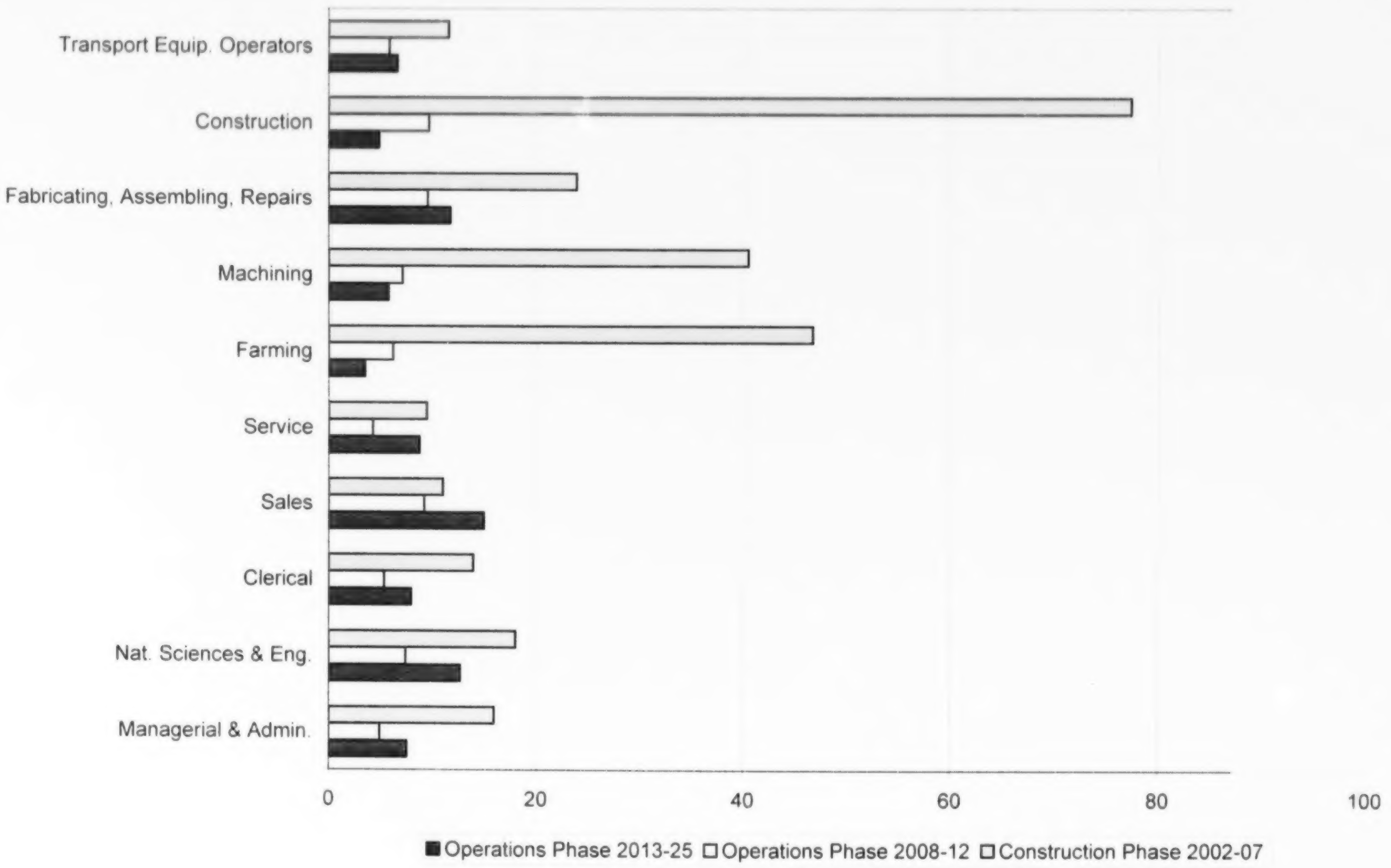
2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
0	0	0.002	0.004	0.024	0.08	0.168	0.101	0.028	0.029	0.029	0.024	0.023
0	0	0	0	0.001	0.004	0.008	0.005	0.002	0.002	0.002	0.001	0.001
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.001	0.002	0.017	0.059	0.125	0.073	0.017	0.018	0.018	0.015	0.014
0	0	0.001	0.001	0.006	0.017	0.035	0.023	0.01	0.01	0.009	0.008	0.008

	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003
	0	0	0	0	0	0	0	0	0	0	0	0	0
	2013	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
act													
	0.019	0.019	0.019	0.02	0.02	0.021	0.022	0.023	0.024	0.024	0.022	0.022	0.02
	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.011	0.011	0.011	0.011	0.012	0.012	0.013	0.013	0.014	0.014	0.013	0.013	0.011
	0.007	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.009	0.009	0.008	0.008	0.007

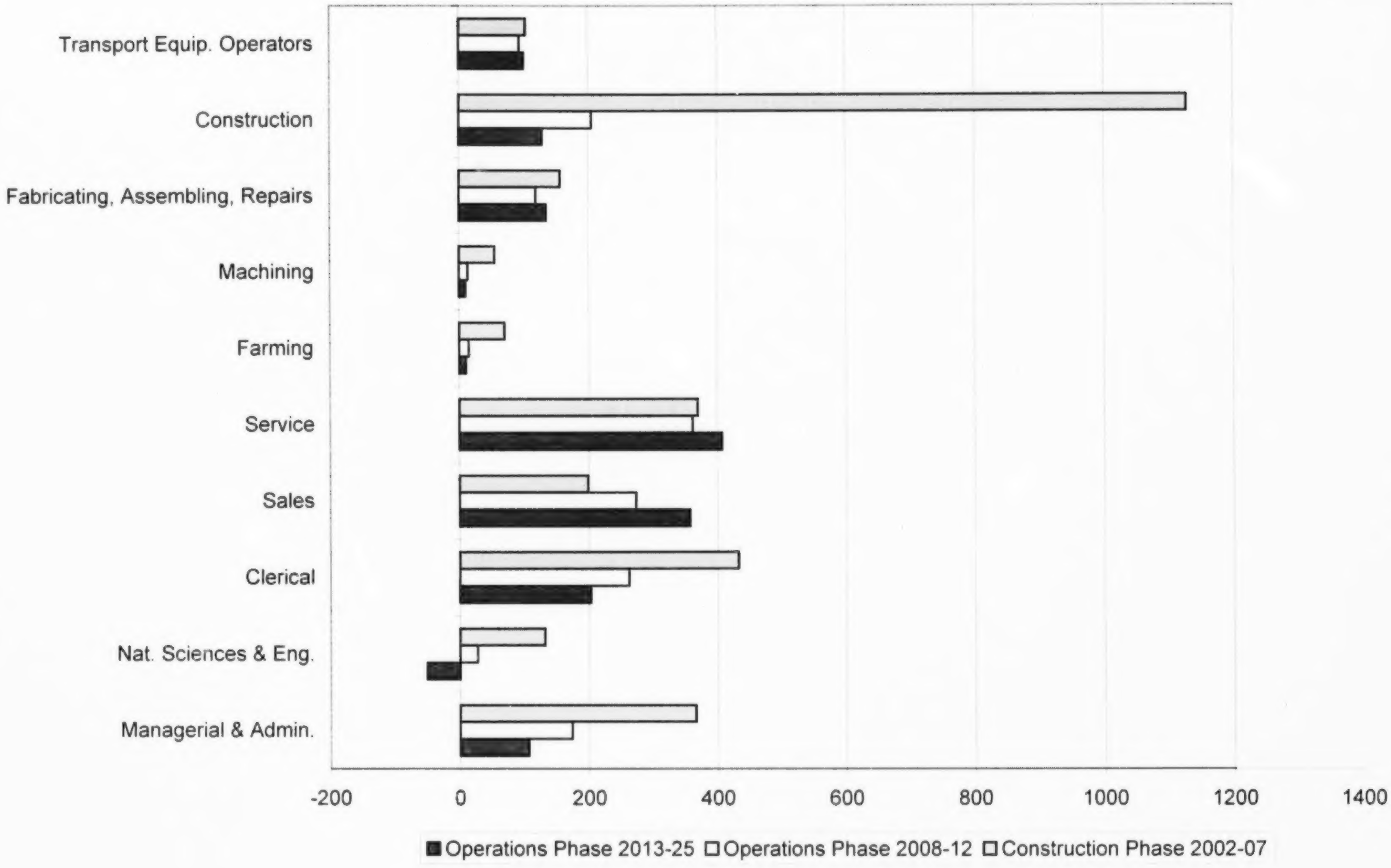


Occupational Detail - Average Employment, Yukon (Scenario 1)

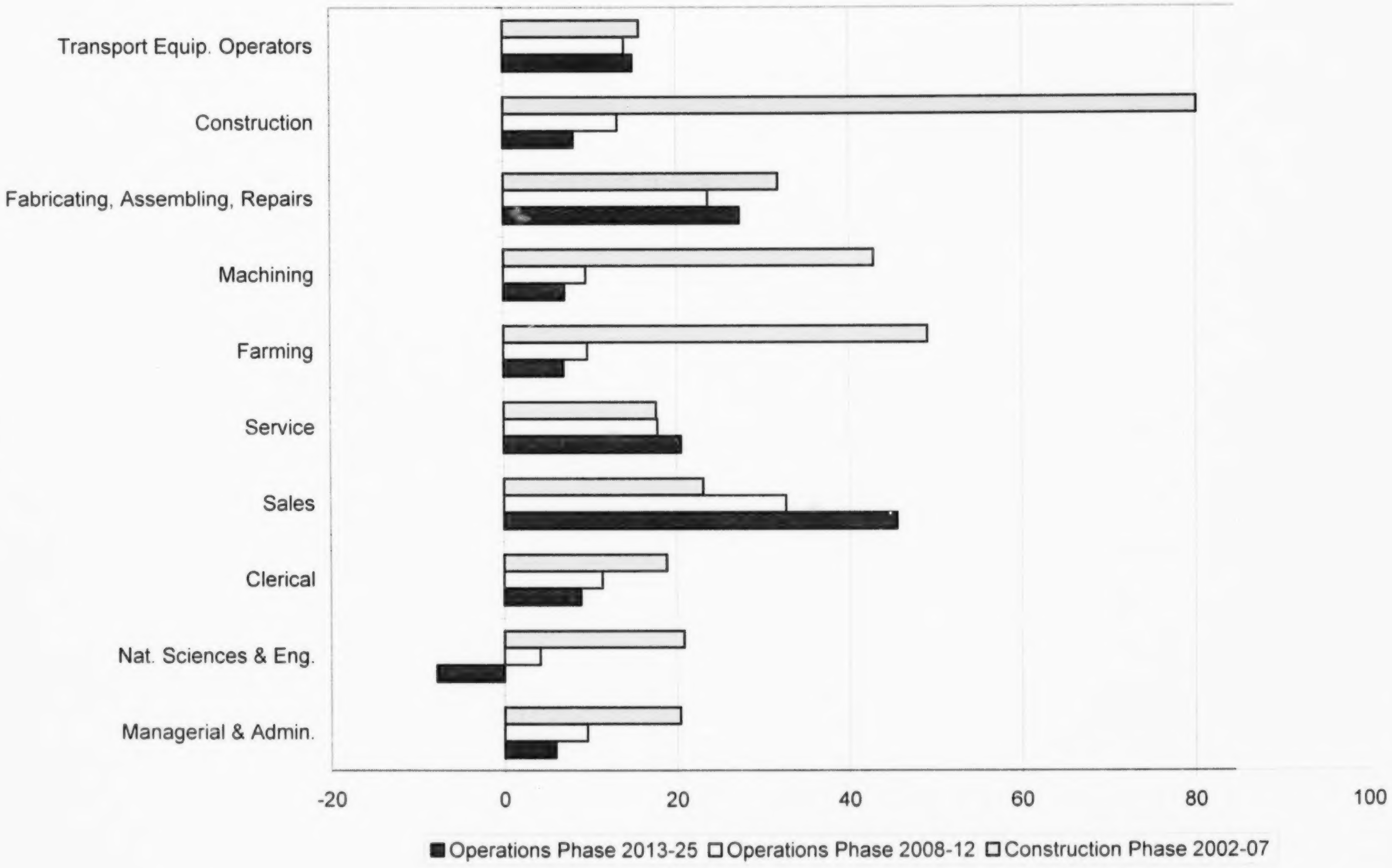
Occupational Detail - Average Percentage Impact, Yukon (Scenario 1)



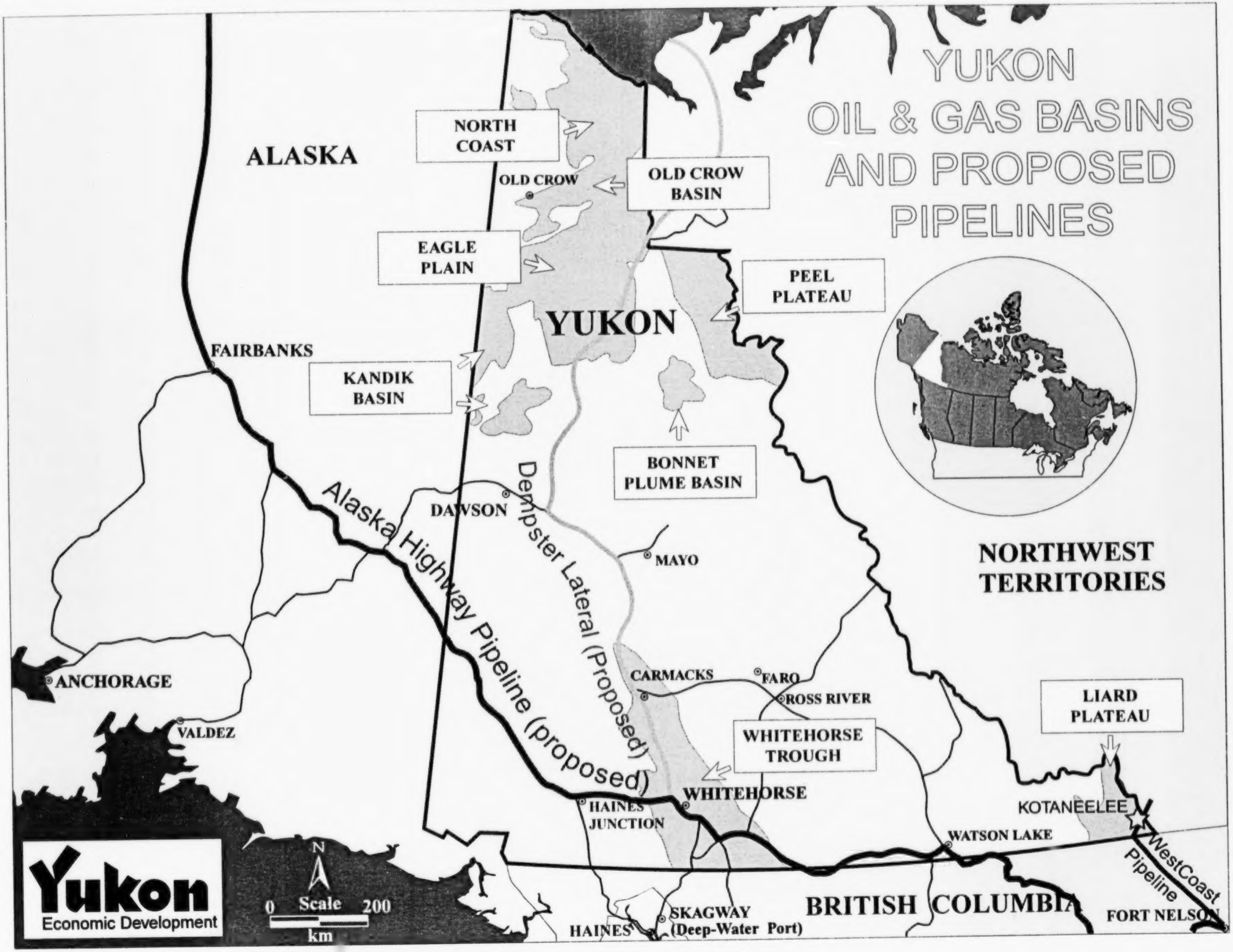
Occupational Detail - Average Employment, Yukon (Scenario 2)



Occupational Detail - Average Percentage Impact, Yukon (Scenario 2)



YUKON OIL & GAS BASINS AND PROPOSED PIPELINES


ALASKA
NORTH COAST
OLD CROW
OLD CROW BASIN
EAGLE PLAIN
PEEL PLATEAU
YUKON
FAIRBANKS
KANDIK BASIN
BONNET PLUME BASIN
DAWSON
Dempster Lateral (Proposed)
Alaska Highway Pipeline (proposed)
MAYO
NORTHWEST TERRITORIES
ANCHORAGE
VALDEZ
CARMACKS
FARO
ROSS RIVER
WHITEHORSE TROUGH
LIARD PLATEAU
WHITEHORSE
HAINES JUNCTION
KOTANEELEE
WATSON LAKE
WestCoast Pipeline
N
0 Scale 200
km
HAINES
SKAGWAY (Deep-Water Port)
BRITISH COLUMBIA
FORT NELSON
Yukon
Economic Development